



KANSAS FARMER

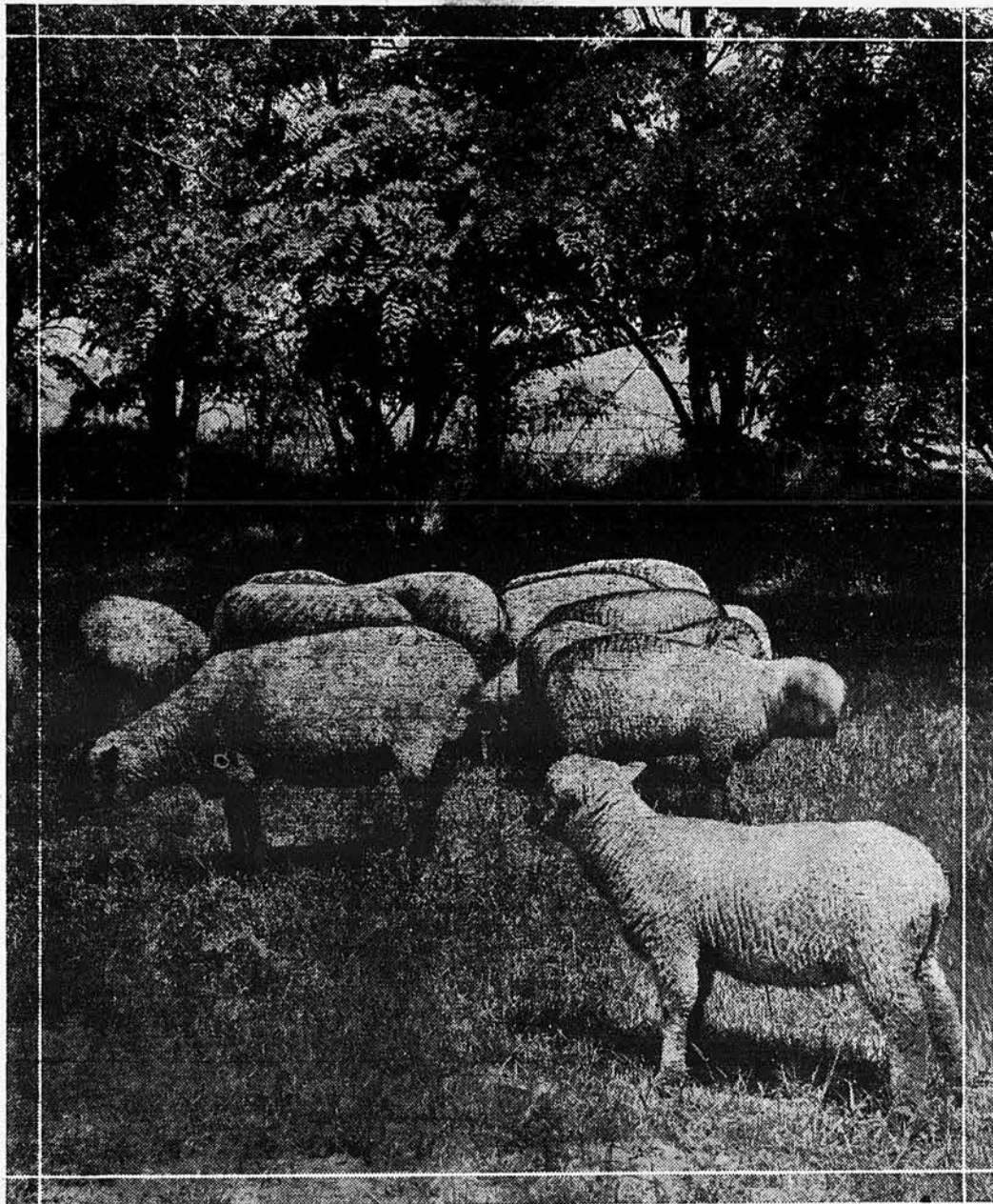
AND

MAIL & BREEZE

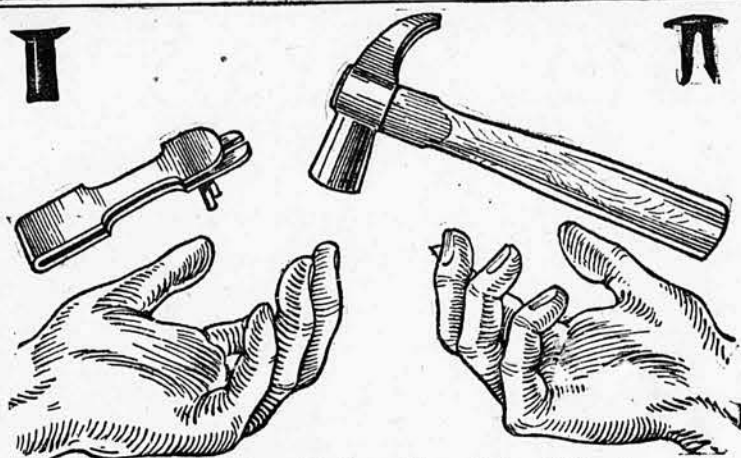
Volume 60

April 1, 1922

Number 13



Mutton and Wool Should be Valuable Side Lines on More Kansas Farms



Hammer - Rivet Holder - Rivet - Pair of Hands
Handy Tools Within the Reach of All

Every Farmer Knows

that rivets are needed on the farm to mend a slipping belt, a broken harness, an old strap or parts of the automobile.

Every Farmer Does Not Know

just why the cheapest rivet is not the most economical to use or why the dealer often substitutes an inferior article. A cheap rivet often means the use of two when one ought to do the job. The dealer is not always familiar with the details of manufacture and so looks only to his own profits.

We are the originators of both the TUBULAR and BEVEL POINTED RIVETS. Our brand has been standard for fifty years.



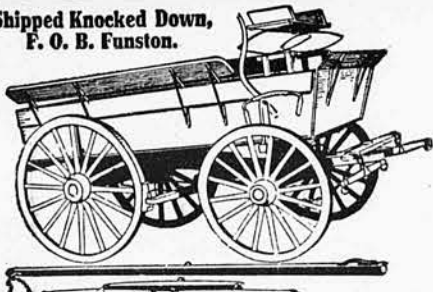
If the user insists on buying rivets which are always dependable he will take only packages with this trade mark.

Tubular Rivet and Stud Company
Established 1873
Boston, Mass.

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U.S. Army Wagons \$35.00

Shipped Knocked Down,
F. O. B. Funston.



A
Wonderful
Bargain!

THESE extra well-built U. S. Army Escort Wagons were included in the surplus equipment we bought at the final sale at Camp Funston. Every piece and part of highest quality. Tires 34x4 in. Front wheels 34 1/2 in. high. Rear wheels 55 in. high. Bed: Length 10 feet;

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Another mighty bargain! Genuine U. S. Army Cavalry Saddle—the McClellan—known the world over for its quality. And at the astounding price of \$7.85—postpaid to your door! Made of best leather and other materials and the very finest workmanship through and through. Absolutely dependable. Slightly used, but for all purposes as good as new. Weight 16 1/2 lbs. They will be snapped up. ACT!

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WHEN WRITING OUR ADVERTISERS PLEASE MENTION THIS PAPER

To Sell 100 Million Bushels

Grain Growers Hold a Warm Session at Chicago

BY F. B. NICHOLS

MUCH heated discussion and considerable differences of opinion were features of the first annual meeting of the U. S. Grain Growers, Inc., March 21 to 24, at Chicago. This developed into two rather distinct divisions, the minority including the delegates from North Dakota, Illinois, Oklahoma and Kansas. At no time, however, on any test vote, did the majority have any trouble in mobilizing enough votes to put its program over. The majority supported the policies of C. H. Gustafson, the president, and believed that it would be better to continue along the same general lines which have been followed in the last year, with the elimination of factors opposed to this policy.

Other than these differences, which perhaps were inevitable in the working out of a great commodity marketing organization, there was much in the progress of the convention of a decidedly encouraging nature. This was brought out clearly in the reports of the department heads. At the close of business March 23 the organization had 54,775 members and 1,162 elevators, with more than 100 million bushels of grain under contract. This makes it the greatest grain marketing organization in the world. While the organization has some notes and bills outstanding, these amount to only a small part of 1 cent for every bushel of grain under contract.

Many Sales Agencies Planned

The organization plans to open agencies in the near future on all of the terminal markets of the country, and get started with the actual sale of grain. It is believed that the membership work has gone on far enough so that this is practicable. The income is steadily exceeding the outgo, it doing this by \$28,000 for the first two months of this year.

It is unfortunate that there should have been such a serious disagreement over the election of the new board of directors, which of course will determine the policies that will be followed in the coming year and the men who will be elected to office. The debate preceding the election of the board was featured by the introduction of personalities, especially on the part of one or two men in the minority, and by caustic criticism of policies which had been followed. This probably had but little if any result on the final vote. The men who represented a majority of the membership of the organization voted to approve the actions of President Gustafson and the men who have worked with him from start to finish, and even the minority voted solidly for the president on the final showdown.

Kansas Gets One Director

Kansas had three delegates. H. J. McClurkin of Clay Center, president of the Clay County Farm Bureau, had 430 votes. T. M. Jones of Garden City, a director in the Kansas Equity Union, was equipped with 395 votes. P. K. Studor of Atwood, president of the Atwood Equity Union, cast 124 votes. All three voted with the minority, and Mr. McClurkin, especially, was very active on the floor of the convention in expressing his views. In the new board of directors, which is based on the present membership, Kansas gets but one director. The two former Kansas directors, R. C. Obrecht of Topeka, and H. W. Avery of Wakefield, were re-elected. The new board of directors elected were: F. A. Mudge, Peru, Ill., re-elected; C. H. Gustafson, Lincoln, Neb., re-elected; F. M. Myers, Ft. Dodge, Ia., re-elected; J. D. Pancake, Loveland, Colo., re-elected; W. R. Crowther, Golden City, Mo.; James K. Mason, Milton, Ind., re-elected; H. C. Lau, Tracy, Minn.; Hans Georgeson, Niagara, N. Dak.; J. T. Belk, Henry, S. Dak., re-elected; W. P. Jesse, Supply, Okla.; P. O. Peterson, Burdick, Kan.; Robert A. Cowles, Bloomington, Ill.; Robert Peterson, Oswego, Ill.; C. R. Finley, Hoopeson, Ill.; A. L. Middleton, Algonia, Ia., re-elected; H. L. Keefe, Walthill, Neb.; C. B. Steward, Red Cloud, Neb.; P. E. Donnell, Waco, Mo., re-elected; T. I. Ferris, Pleasant Lake, Ind.; A. J. McInnis, Dazy, N. Dak.; and R. M. Clarke, Stronghurst, Ill., re-elected.

After the election and before adjournment, two of the directors elected from Illinois, Mr. Cowles and Mr. Peterson, resigned.

The resolutions adopted were:

We, the First National Convention of the U. S. Grain Growers, Inc., after the first year of our existence as the National Co-operative Selling Association, with a membership under contract that places us in the preeminent position of the largest grain selling agency in the world, believe that it is fitting that we express our appreciation of co-operative assistance extended to this organization and indicate the principles upon which this work shall be carried forward. Therefore be it resolved that we commend the able efforts of the gentlemen who served on the Farmers' Marketing Committee of Seventeen in investigating grain marketing conditions in terminal markets and formulating the principles and detailed plans upon which the U. S. Grain Growers, Inc. has been built. We regard it as a most significant compliment to these gentlemen that repeated efforts of our opposition to find fundamental faults with the plan have been unsuccessful. We affirm our determination to carry forward the development of the plan of co-operative grain marketing outlined by that committee.

Be it therefore resolved that we wish to commend the Board of Directors for their untiring efforts to develop and put into operation this plan.

Resolved that the recent action of the Interstate Commerce Commission in reducing the freight rates on grain, grain products and hay by approximately 45 million dollars annually meets with our hearty approval but we earnestly recommend further reductions in these freight charges until the entire advance of 1920 shall be eliminated. Our prices are down to pre-war basis approximately, and our costs must be reduced likewise if the agricultural interests shall be permitted to thrive once more—which is essential to the welfare of the entire American people, and that we urge upon the National Administration the institution of the work of building and completing the St. Lawrence Deep Water Way at the earliest date.

Resolved that as far as practicable and consistent with economic conditions the U. S. Grain Growers, Inc. be built upon existing farmer owned elevators and those that may be established. We furthermore recommend to the incoming Board of Directors that they pursue the same policy as far as may be possible in establishing farmer controlled terminal facilities and wherever possible affiliate with existing farmer controlled agencies under the one general plan. We favor strict economy in the administration of the affairs of the U. S. Grain Growers, Inc., both in the national office and in the campaign for members in the various states.

Resolved that we express our appreciation of the remedial legislation given us by the Congress and our various legislatures looking to agricultural betterment and furtherance of co-operation as based on right. Farmers ask no undue advantage but simple justice and we, therefore, commend President Harding for calling the recent Agricultural Conference at Washington looking to that end.

Therefore be it further resolved that we pledge our continued support and loyal co-operation such as will mean ultimate success in order that the farmers in America may build a permanent and stable marketing system.

Invest Safely and Profitably

In these days when every dollar counts and when so many "investment" schemes are directed at the farmer, the problem of investing surplus funds is really important. I believe that I have solved that problem for the readers of Kansas Farmer & Mail & Breeze. This investment is backed by 28 years of success in a business which has grown to be one of the strongest concerns in the Midwest, and in fact, the largest business of its kind in the world. Further conservative expansion and additional equipment are the motives for obtaining additional capital at this time. Amounts of \$100 or more are solicited. The rate of interest is 7 per cent payable semi-annually with the privilege of withdrawing any or all of the investment at any time upon 30 days' notice. I can unqualifiedly recommend this investment and believe it as safe as a government bond. A letter to me will bring you promptly further information. Arthur Capper, Topeka, Kansas.

About Liming Soils

It is not too late to apply lime to soils that need it. Send a sample of soil from that field you are intending to seed to alfalfa or Sweet clover to your county agent or to the Kansas State Agricultural College at Manhattan, Kan., and have it tested for sourness. If the soil gives an acid test lime should be applied to it.

Concerning Deep Plowing

If you were unable to get your plowing for spring crops done during the fall and winter, do not make the mistake of plowing too deeply this late in the season. A good, firm seedbed cannot be formed after plowing too deeply this late.

April 1, 1922

By *Arthur Capper*

Vol. 60 No. 13

Atkins Had Only \$18 to Start

In Two Years Burlingame Poultryman Has Paid for a 20 Acre Farm, and Has Built Up a Business Valued at More Than \$5,000

By Raymond H. Gilkeson

STARTING two years ago with only \$18, Percy Atkins of Burlingame, Kan., has bought and paid for a 20-acre poultry farm, and has put in equipment and built up a business valued at more than \$5,000. "We were compelled to make our start from the ground," said Mr. Atkins, "for no one could have known less about poultry than I, and our finances were almost exhausted."

Before the World War, Mr. Atkins was a minister. He went to France, was gassed and returned home unable to continue in his profession. As it was necessary to have outdoor work he decided to go into the poultry business. Selecting 20 acres near Burlingame he managed to make a small payment, and when he moved on the farm had only \$18 left. The farm is located on a gravel hill and is well drained. Improvements on the place consisted of a run down house, a dilapidated barn and a shabby chicken coop. Aside from this there was an apple orchard established 12 years ago that was bearing fruit—very little fruit, because the trees hadn't been properly pruned.

Buys 80 Wyandottes

In August 1920, Mr. Atkins forgot his English pride and went in debt for 80 Wyandottes and a cow. By filling pulpits in the towns near by as extra preacher, and by selling milk and the few eggs he got, Mr. Atkins paid the living expenses. Taking some second hand lumber as part payment for preaching in one town, he replaced the shack chicken coop with a laying house 10 by 20 feet. The Wyandottes did better in their new home, but they didn't have the proper breeding behind them, and when winter came they stopped laying.

Mr. Atkins had learned that good breeding is one of the most important factors in the poultry business, so he sold the 80 Wyandottes and started his own foundation stock. He bought some baby chicks and hatching eggs of the Large Type English Barron White Leghorn variety. The first efforts at hatching were quite successful, and from the chicks hatched and those bought, about 350 pullets were raised.

Realizing that his equipment was not suitable for raising baby chicks thru the winter and spring, Mr. Atkins put up a good brooder house. The house was 20 by 80 feet and was built

on a concrete foundation. The walls were tight and lined with building paper, and a good floor was laid. The house was divided into five sections and a 500-chick brooder installed in each. "I went in debt for this," said Mr. Atkins, "but to be successful I had to have the proper equipment." He followed the plan of going in debt for one building or piece of equipment, paying for it and then going in debt for the next thing needed. "I'd like to see anyone build up a business from the bottom without going in debt," said Mr. Atkins. The brooder house is convertible—equipped with feed hoppers built in, and drinking fountains—so that when roosts and nests are provided, it can be used for a laying house.

By the time enough chicks were hatched with the small incubators to fill all the compartments in the brooder house, new pullets were ready for the laying house, and it soon became overcrowded. Careful feeding had started the pullets to producing enough eggs to count, and encouraged by this, Mr. Atkins built a laying house

the same size as the brooder, 20 by 80 feet, and turned the small laying house into a feed storage. This new laying house also was divided into five sections. It was covered outside with roofing, double walled and lined with building paper. Over the roosts the ceiling was made double. "I wished to insure warm quarters," said Mr. Atkins, "for my experience with the 80 Wyandottes proved that this is essential." In the laying house were installed feed hoppers, grit hoppers, water fountains and a few nests high up on the walls. The main nests, however, were built under the dropping table. These nests are dark, constructed so the layers enter from the back. A door on the front of

Teaching Thrift to Chicks

GETTING baby chicks on the road to normal development and high production is started at the Atkins poultry farm the day the chicks are hatched. With every new hatching is put a thrifty chick from a previous hatching as a teacher, and in a very short time the new chicks learn how to keep warm and also where to find their food.

the nests affords an easy way of getting out eggs.

In the laying house Mr. Atkins installed an acetylene lighting system, so that winter and summer laying days can be made the same length. The laying pullets and breeding hens are kept separated. By trap nesting the high producing pullets are selected and

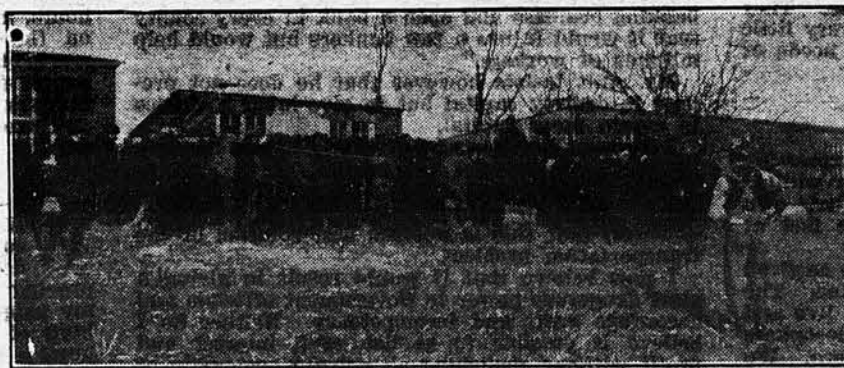
saved for breeding stock. "I turn on the lights at 6 o'clock each morning thru the winter in the pullets' laying quarters," said Mr. Atkins, "but I don't bother the breeding hens, because I don't think it pays to push them. Any gain in egg production would be lost in hatching."

Finding that hatching on a large scale with small incubators was too much of a time killer, Mr. Atkins built a concrete cellar 18 feet square, and installed a 1,000-egg incubator. He didn't have enough White Leghorn eggs to fill the incubator, so decided to side step and give Rhode Island Reds a trial. Setting 1,234 Rhode Island Red eggs that were purchased locally, the incubator was started. Hatching time brought only 525 chicks, and Mr. Atkins thought something was wrong with the incubator, but when the eggs were tested more than half of them were found to be infertile. Summer weather and lateness of the season had played havoc with egg fertility.

Purebred Stock Pays Best

This experience confirmed him in the opinion that it pays to raise only the best stock, so he turned back to hatching eggs from his own flock. The next attempt brought almost a 100 per cent hatch from the 600 eggs set. Starting with February this year, Mr. Atkins has been hatching from 600 to 800 eggs every 10 days. He is going to keep this up until the middle of May. "I plan to hatch and raise between 3,500 and 4,000 chicks for myself," said Mr. Atkins, "out of which I will pick 1,000 layers and my breeding stock to carry thru the winter."

When a new hatching of chicks comes off, they are put in a section of the brooder house and after 48 hours receive their first feed of rolled oats. This ration is continued for two days, when it is replaced with a prepared chick feed. From then on the chicks have access to a dry mash composed of 100 pounds each of bran, shorts, cornmeal and tankage, and 25 pounds of concentrated buttermilk, 3 pounds salt and 5 pounds charcoal. "I don't like sprouted oats for the chicks," remarked Mr. Atkins, "but prefer to feed buttermilk as it contains about the same food qualities as oats and will not bring on disease." As a conditioner the chicks receive an occasional feeding of raw potatoes—about one (Continued on Page 18)



Culling Demonstration on Atkins Poultry Farm. Brooder House on Right and Laying House Left are Outgrowth of Chicken Coop in Center

Jackson Jerseys Keep Ahead

MORE than 50 per cent of the Register of Merit records for Jersey cows owned in Kansas are held by farmers and breeders living in Jackson county. That is why the county is known as the Jersey center of Kansas.

Every year the Jackson county herds, many of them known thruout this and adjoining states, are being improved and other men are getting into the breeding game. Several farmers, who for many years have handled beef cattle, are starting Jersey herds and are making a success of them.

Thru the efforts of breeders and the county farm bureau many farm boys and girls have become interested in dairying and have purchased cows, borrowing the money to pay for them from local banks.

In the county is a strong breeders' association known as the Jackson County Jersey Club. This organization is co-operating with the farm bureau in promoting the breed. Twice

a year it puts on two picnics for Jersey breeders and their families.

Recent reports of the American Jersey Cattle Club showed 32 register of merit records for Kansas. Seventeen of these records belong to Jackson county farmers and breeders.

E. C. Latta, who frequently has exhibited at the Kansas Free Fair at Topeka and the Kansas State Fair at Hutchinson, has an enviable record. He holds two state records, one on Interested Roxana Lady who, when 2 years and 4 months of age, produced 6,702 pounds of milk and 325.4 pounds of butterfat in 305 days. King's Trinity Fern holds the other record. When 1 year and 11 months of age she produced 5,624 pounds of milk and 285.25 pounds of butterfat in 305 days.

Register of merit records, held in Jackson county, follow:

Countess Lad's Gold Beatrice, owned by Mrs. Nellie Knopf, Holton. Age, 7 years, 4 months; milk 7,239 pounds, butterfat 448.13.

Gay Nun of Elkhorn, owned by Walter Coleman, Denison. Age, 4 years, 9 months; milk 10,873; butterfat 476.36.

Blue Bell's Owl's Fontaine, owned by R. A. Gilliland, Denison. Age, 3 years, 2 months; milk 8,352; butterfat 453.442.

Interested Owl's Arawana, owned by R. A. Gilliland. Age, 3 years, 4 months; milk, 8,091; butterfat, 432.68.

Poet's Adeline, owned by Chas. H. Gilliland, Mayetta. Age, 3 years, 4 months; milk, 7,759; butterfat, 409.16.

Financial Owl Lilac, owned by R. A. Gilliland. Age, 3 years 1 month; milk, 7,014; butterfat, 365.84.

Oxford's Majesty's Choice, owned by John Latta, Holton. Age, 2 years, 8 months; milk, 6,299; butterfat, 310.93.

Interested Roxana Lady, owned by E. C. Latta, Holton. Age, 2 years, 4 months; milk, 6,702; butterfat, 325.4, state record.

King's Trinity Fern, owned by E. C. Latta. Age, 1 year, 11 months; milk, 5,624; butterfat, 285.24, state record.

Bernice Knight, owned by W. W. Walton, Holton. Age, 1 year, 8 months; milk, 5,583; butterfat, 257.67.

Marigold's Golden Fawn, owned by Chas. H. Gilliland. Age, 1 year, 4 months; milk, 5,818; butterfat, 373.87.

Financier's Coomassie, owned by Stoddard & Turner, Horton. Age, 7 years 6 months; milk, 8,382; butterfat, 519.07.

Castor's Splendid Advocate, owned by Stoddard & Turner. Age, 6 years, 11 months; milk, 7,800; butterfat, 484.41.

Splendid Silver Girl, owned by Stoddard & Turner. Age, 6 years, 8 months; milk, 8,834; butterfat, 448.57.

Castor's Roxana Lady, owned by Stoddard & Turner. Age, 5 years, 2 months; milk, 7,878; butterfat, 391.95.

Castor's Golden Belle, owned by Stoddard & Turner. Age, 7 years, 6 months; milk, 6,756.7; butterfat, 372.32.

Splendid Sweet Roxana, owned by Stoddard & Turner. Age, 4 years, 9 months; milk, 6,905; butterfat, 391.21.

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this issue is reliable, and should any subscriber suf-
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We make this guaranty with the provisions that the
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that in writing the advertiser you state: "I saw your
advertisement in Kansas Farmer and Mail & Breeze."

Passing Comment—By T. A. McNeal

THERE has been a great deal said lately," writes A. C. Bailey, of Kinsley, "as to why the price of wheat has advanced about 50 cents a bushel recently when the wheat grower has sold at least 80 per cent of his wheat at around \$1 a bushel. The Chicago Board of Trade and others seem to express a rather nervous attitude as to the cause and psychological effect of the situation or by some other fluent terms try to manufacture an excuse for justification of the ruinously low prices the wheat and corn growers received for the bulk of their crops.

"The speculator publishes the report or opinion of some supposed expert that Canada and Argentina and a few other countries report a shortage of wheat and that Russia is out of the game, just as if we did not know that it has been out of the game for some time.

"Earlier in the season they reminded us that the exports of grain were small because of the inability of Europe to buy, which accounted for the low price.

"The reasons given out by the trade are along the same old line of trying to justify their system of graft on the producer by pulling the wool over his eyes with well worded excuses which will not stand the test of facts.

"The public press freely circulated the fact that the yields of wheat were low, months ago; also that the conditions and prospects for the 1922 crop were the poorest in years; also that we exported more of the 1920 crop than in any previous year and that in the first 90 days of export trade from the 1921 crop we had shipped about 90 million bushels more of wheat than in the previous year and that if it were not for our surplus of corn we would have a wheat famine in the United States.

"I am compelled to conclude that the farmer is still at the mercy of the manipulators of trade and finance. The present system can have but one final result, that is, the total ruin of the farmer. The efforts to help the farmer and stockman thru the instrumentalities of recent conventions held at Washington and elsewhere are a joke. They were dominated by delegates who know very little about the real situation and immediate needs of the farmer and stockmen and care less."

Commends the Editor

YOUR straightforward manner of expressing what you believe to be true and your willingness to accord others the right to their own views," writes A. L. Miller, "makes one feel at home reading Passing Comment.

"Your interpretation of the Golden Rule as given in your comment of April 16, 1921, is fine. The Golden Rule has been the law of life, of live and let live, having been taught by the philosophers hundreds of years before the Christian era. We could recommend this rule to the members of the Kentucky legislature who recently tried to pass a bill imposing a heavy penalty on any one who would teach or permit to be taught the theory of evolution as regards man's origin in any of the schools supported by state taxes.

"They would turn time back to the Inquisition when Galileo was imprisoned and compelled on his bended knees to repudiate his honest belief that the world was round and rotated on its axis and declare it heresy and contrary to the Holy Scripture which speaks of the "four corners of the earth."

"Would they revert to the times when Catholics put Protestants to death and Protestants put Catholics to death in the name of Him who commanded men to love one another? Would they revert to the time when 30,000 people were put to death for not believing in infant baptism?

"Many sincere persons cannot regard as a relation of literal fact the story that God made woman from one of man's ribs and made a snake to talk to the woman and cause the fall of man. Nor do they believe that God, knowing beforehand what would happen, repented that He had made man and grieved in His heart, thus assuming the blame but placing the curse on the woman, any more than Galileo could regard the four corners of the earth as a literal fact. Such a raw literal view is a travesty, a lowering of the dignity of the Allwise, making Him like a simple child who cries because his blockhouse falls down and wishes he hadn't made it.

"Much of the ancient writings were figurative, why not this? I venture the statement that we

would have to rake all of our colleges and universities with a fine tooth comb to find a professor of history who believes the rib, woman and serpent story to be a statement of fact. In view of the attitude of some of the Kentucky legislature we realize the force of your statement in the above mentioned number that '90 per cent of our so-called religious instructors do not dare to say what they honestly believe.'

"The believer in evolution feels that he has a higher conception of the Great Ruler of the Universe, who working thru immutable law, produces myriads of wonderful beings from the smallest life germ to man; from nebula to the starry universe; whose course is not swayed or changed by the caprice of finite man; whose infinite grandeur is a light to the pathway and a solace to the soul.

"But what matters it how man came on this little sphere? He is here; let us grant to each the same privilege of expressing his opinions that we assume for ourselves, not forgetting that brotherly love in which so many of us are lacking."

A Socialist's Opinion

A SOCIALIST subscriber of New Mexico, Perry Ault, writes me laying down a few economic principles according to his ideas from which I quote the following:

"1—Whenever a law is made that injures a few capitalists economically it helps a few million workers economically. When we established the parcels post we injured a few capitalists but benefited millions of workers.

"2—When the Esch-Cummins law was passed it injured millions of workers and benefited a few capitalists.

"3—If the Government would take over the railroads it would injure a few capitalists but would benefit millions of workers.

"4—If they would cut the freight rates in two every industry would come to life.

"5—If the Government would take over the banking business and open a bank in every county sent it would injure a few bankers but would help millions of workers."

Mr. Ault insists however that he does not propose to destroy capital but to give labor a chance to create more capital.

Like most Socialists he evidently favors the abolition of rent, interest and profits.

At one time I was strongly in favor of Government ownership of railroads. I have concluded, however, that this is not the best solution of the transportation problem.

I now believe that it would result in giving a most dangerous power to Government officials and encourage graft and incompetency. Neither do I believe it possible to abolish rent, interest and profit without abolishing all private ownership of property and I cannot believe that such a course is either practicable or wise.

I am of the opinion and have been for a good while that the issuing of money and the control of banks is a proper and legitimate function of the Government.

The establishment of the postal savings banks is a virtual acknowledgment that this is true. Of course, at the instance of the banks, the postal savings bank law was so weakened that it was made nearly inoperative but it was an acknowledgment that banking is a proper function of Government and if we had a really liberal postal savings bank law now it would do much to relieve the financial situation.

What Readers are Thinking

IN YOUR comments of February 4," writes an Edson subscriber, "I note that you wish to know what farmers are thinking. The farmer from Northwest Kansas who writes on the 'Industrial Court and Truck License' voices my sentiments, as well as those of quite a lot of farmers I know.

"The Industrial Court seems to me to be a sort of white elephant, causing the expenditure of good money on a large scale with no benefit as far as I can see, to ones who foot the bills. I don't think it would be missed if it were abolished. In my opinion the truck license is out of reason. I live 15 miles from town and a truck license is almost a necessity but I cannot afford to pay \$15 to be permitted to run it. Our crops last year were dried up and the banks had to have their money.

I sold calves and hogs before they were fed out, having no grain and no money to buy feed with, and to make up the shortage of small returns had to sell most of the chickens.

"The banker got his money, and I may say, should I be rewarded by a crop this year, no money of mine will help make bankers rich. I would like to ask how a man like Senator Newberry can hold a high office. Why is it when public sentiment is so strongly against him can he be permitted to hold a seat in the United States Senate? Are the honest men so few that such an injustice can be permitted?

"Mr. Capper's loyalty to truth and justice is appreciated and with grateful hearts for such a man to represent us we trust he may be long spared to do his good work.

"I would also like to know why the War Finance Corporation money must pass thru the bankers' hands.

"I tried to borrow some but was told that there was too much red tape. On asking a second time I was told that not owing the bank anything I could not get it. I have figured it out that the bankers holding notes will help their debtors get loans, to pay the notes they owe the bank and so keep that money right in the bank. Am I right?

"Why was the decision left to the banker to give or withhold? A small farmer has very little chance either way and so it will be until the Golden Rule holds sway."

Industrial Court and Truck License

ONE of my correspondents, William E. Bailey, of Phelps City, Mo., is evidently opposed to union labor. "The greatest problem facing us today," writes Mr. Phelps, "is union labor. Forty cents of every dollar we spend is blood money to the unions. Every article we wear or use could be manufactured for 40 per cent less money with common labor. Instead of 4 or 5 million union men drawing from \$6 to \$15 for 8 hours, mostly loafing, and 4 or 5 million idle men on the verge of starvation with no work, we would have 10 million men at work, doing an honest day's work for a good, living wage. The farmers would have a market for their products and everything would be back to normalcy in 90 days."

Tax Everything

WRITING from Plymouth, Kan., Ben Bascome says, "Mr. Glover of Bluff City seems deeply grieved because one is 'fined' for improving the appearance of the country. One of my neighbors is improving the appearance of his herd of beef cattle. He is 'fined' every time he buys a good male to head his herd. If another buys good dairy cows he is subject to penalty. If I make two blades of grass grow where only one grew before and have that extra blade of grass on hand March 1 the state demands tribute.

"As I look at this matter the injustice is not in taxing this property, but in issuing tax-free bonds. Industry and thrift must be taxed if we maintain a state government. Those who do not produce or acquire property are poor subjects for taxation. The organized farmers of Kansas, and some who are not organized contend that every dollar of property should bear its share of tax, nor do they believe that a man who will perjure himself to escape his just share of taxation will be more particular if he is favored with a lower rate.

"In regard to disarmament. It is all right, but there is a class of people who cannot be disarmed by statute. Let us suppose that we forbid anyone to carry a revolver. The law-abiding people will disarm and the thug who approaches a man or group of men may feel assured that they are helpless. So I feel that the constitutional provision that the right of the people to keep and bear arms shall not be impaired, is wise.

"It looks like a correct principle of government that all property should bear its just share of taxation but under our present financial system the taxing of state and municipal bonds would not result, in my opinion, in any benefit to taxpayers in general.

"A non-taxable municipal or school bond bearing 5 per cent interest will sell at par. Before the war a 4 or 4½ per cent bond would sell at par. In other words that is the best net rate of interest at which money can be borrowed."

I do not know what the total rate of taxation is in Ben Bascome's neighborhood, but I do know that in Topeka it is a trifle more than 3 per cent and I know that in some localities the tax rate is even higher than that.

If Ben Bascome had \$10,000 to invest he might put it in safe non-taxable bonds bearing 5 per cent interest, but it is very certain that he would not invest it in 5 per cent bonds on which he would have to pay a tax of 3 or even of 2 per cent.

If municipal and school and state bonds in Kansas are taxed it will simply raise the interest rate on those bonds above what it is now to the extent of the average tax rate in the state, or to the extent of the tax rate in the municipality which issues the bond. Either the rate of interest on the bond would be raised or the bond would have to be sold at a discount that would yield the purchaser the rate of 4½ or 5 per cent.

The other taxpayers would pay the tax, that is all; no, unfortunately it is not all. Not only would the interest rate on the bonds be raised or the bonds be sold at a discount, which would amount to the same thing, but most of these bonds would be purchased by non-residents who would not pay the state of Kansas a cent of tax. The resident taxpayers would not only have to pay a much higher rate of interest on their bonds, but they would not even have the satisfaction of getting it back in taxes.

If the Government would exercise what I think is a proper function of government, I think the present injustice of our taxing system could be remedied. Under our present law a municipality or a school district is permitted to issue bonds up to a certain per cent of the total assessed value of the property in the municipality or school district. These bonds should be carried by the Government at a very low rate of interest and based on these bonds as security the Government should issue for the municipality or school district currency, just as it issued currency for the national banks based on bonds deposited by the banks in the United States Treasury and just as it now issues currency for the Federal Reserve Banks based on the assets of the banks. The effect of this would be to drive all the money now invested in tax free municipal bonds into some other form of investment which would be taxable.

Farmer's Service Corner

READERS of the Kansas Farmer and Mail and Breeze who desire to have legal advice or who wish to make inquiries on general matters may receive whatever service we can render in this way free of charge, but the limited size of our paper at present will not make it possible to publish all of the replies.

Rural School Transportation

We live in a rural high school district but too far from the school for our children to attend from home. Is there a law by which we can compel the rural high school board to furnish transportation for our children?

J. G. O.

No, there is no provision of this kind.

A Question of Title

A bargained for a farm of 10 acres with B. He paid some money down to hold the bargain until he could have the abstract examined and found that there was a mortgage of \$500 that has not been released and also that there had been an error in deeding the property in the description of the land. Can B compel him to take the place or can he keep the money paid? B advertised he had 10 acres to sell.

S. K. F.

If it was understood at the time the money was paid by A that it was conditioned on B being able to give a clear title to this property in which event the remainder of the money would be paid, then B cannot compel A either to pay the remainder of the money and take the place nor has he the right to keep the money which A has already paid. If he refuses to return it to A, then A could recover it by a suit at law.

Concrete in a Silo

Kindly tell me how many cubic yards of concrete it will take to build a silo 16 feet in diameter and 20 feet high using 6 inch walls and floor?

Has a round corn crib 30 feet in diameter and 6 feet high a greater capacity than one half the diameter but twice the height?

L. R. Bingham.

A silo such as you describe will require about 33 cubic yards of concrete.

The corn crib 30 feet in diameter and 6 feet in height will hold just twice as much as the crib of half that diameter and twice that height.

Collecting House Rent

I have a house which I am renting but the renter does not pay his rent. He owes me for seven months' rent. He has bought a car from his employer and agreed to let them take \$75 a month out of his pay until he has paid for the car. He is an oil well driller getting \$10 a day. What I wish to know is how I will go about getting my rent. Can I hold the household goods or car?

F. M.

The probability is that the ownership of the car remains in the firm which sold it to this employee and for that reason you could not attach the car. Neither could you attach his household furniture which is exempt unless he has waived his right of exemption which he probably has not done. The only recourse you seem to have is to garnishee his wages.

Placing of Drainage Ditches

C and D are farmers in Kansas. A draw which starts on C's farm runs over onto D's farm and into a creek. D has made a dam on the line fence to keep the water from coming on his land or rather over his land from C's farm. There is no other way to drain the water from C's farm except to make a

ditch several feet deep and a quarter of a mile long. D won't permit the opening of the dam and threatens legal action if it is opened. Can C have it opened and to whom should he go to have it done? B. B.

If this draw is a natural water course D has no right to impede it with a dam and in that way prevent the water from flowing off C's premises. C should take the matter up with the township trustee who has the authority under Section 3857 of the General Statutes to cause to be established, located, and constructed the necessary ditches, drains, or water courses within such township.

Value of a Ton of Manure

What is the money value of a ton of ordinary barnyard manure?

O. P. Fuller.

It is impossible to place the exact money value upon a ton of barnyard manure. The value of the manure will depend upon a number of factors—the kind of manure, the way the manure has been handled, the kind of soil upon which it is applied, the crop to which it is applied, the quantity applied to the acre, and a number of other factors.

Based upon the value of the plant food at present market prices barnyard manure would be worth from \$2 to \$3 a ton. On poor land, when used in the right way, it might bring in money returns a great deal more than its plant food value. On the other hand, if improperly used or when used on very fertile land, it might return much less than its plant food value.

Power of Second Mortgage

Can the parties who hold a second mortgage on a farm which is due foreclose before the first one is due?

A. B. L.

Yes, the holder of a second mortgage might foreclose subject, of course, to the lien on the first mortgage.

Sudan Grass for Pasture

Is Sudan grass a good pasture crop and when should it be sown?

Virgil Peebler.

Sudan grass for pasture should ordinarily be sown between the middle of May and the first of June on ground that has been plowed as early in the spring as possible and the seedbed well prepared. The seed should be sown at the rate of 20 pounds of seed to the acre, using for seeding an ordinary grain drill. Usually, with favorable weather, Sudan grass will be ready to pasture in from four to five weeks after seeding and will provide pasture until frost in the fall.

We consider Sudan grass the most satisfactory annual crop for pasture purposes that is adapted to Kansas conditions.

Can the Doctor Collect?

A was taken ill and went to a doctor, was examined, and got some medicine and was told to go home and stay in bed. He barely got home when the doctor came and gave the same orders. Can the doctor collect for the call?

S. I. N.

If this patient accepted the services of the doctor when he made his call without protest, I am inclined to think that the doctor can collect a reasonable charge for his visit. If at the time the doctor came he had been notified by the patient that he was not expected to call and that his services were not desired, I do not believe that he could collect.

The Rights of a Renter

A farm in Kansas was rented a number of years ago by A. He rented it on the first day of August but the owner did not vacate until a few months later. Now B is going to rent the farm on the first of August next but A does not wish to vacate until March 1 next year. Has he a right to do that or can B take possession in August? A has no contract but he has out a corn crop to harvest.

M. B.

A was a tenant from year to year and I am of the opinion that his tenancy began at the time he got possession of the land. If he did not get possession until the first of March, then his tenancy would run from that time notwithstanding there was some verbal agreement made that he was to have possession of the place on August 1. That verbal contract was annulled by the fact that he did not get possession. It will also be necessary that he be given 30 days' written notice to vacate.

Treaties Must be Ratified at Once

From Senator Capper's Speech Delivered in the United States Senate, March 18, 1922

APPROVAL of the treaties growing out of the recent Washington Conference of Nations was strongly advocated by Senator Capper on March 18 in his address to the Senate. In this speech Senator Capper said:

"Mr. President, we speak and act here on this treaty and the companion treaties for the most powerful nation on the planet, the wealthiest, the nation whose credit and income and resources remain intact after a convulsion that has brought near to insolvency every other great power in the world.

"It is natural, therefore, that we hear the demand from every part of the land and from all classes of the people that we shall not refuse our approval here of arrangements with other great powers, the sole purpose of which is to promote peace in the world, the curtailing of ruinous armaments and the ending for at least the next 15

years, as provided in the treaties, of the remorseless rivalry in naval armament that we all recognize as the one outstanding menace of peace and recovery.

"On what grounds can we reverse this universal judgment of the people? Is it strange that they should consider it our national duty to make this contribution, great as it is, with so small a sacrifice of our sovereign power, to determine particular questions from our own interest solely, if they should arise under these treaties? Is any nation not associated in these agreements likely to attack the United States? We look over the face of the earth and what do we see? One great power, the United States, solvent and a creditor of all the remainder, with undiminished man-power, with no enmity to any other, with no designs upon others and with the reputation among all nations of friendly good will toward all of them; and every other important power crippled in its resources of credit, wealth and man-power, sick of war and of the causes of war, desiring nothing but a chance to regain its solvency and restore its industrial life, and looking anxiously and eagerly to us to point the way, and to lead the way to a better order.

"Mr. President, the dangers from which we would escape we are all familiar with and they were the cause of the President's invitation to the other great powers to join in this conference. We were confronted with an offensive and defensive alliance of the two other great naval powers of the world, which there were reasons to believe was a menace directly to our policy of the 'open door' in the Far East. Because of this alliance we felt bound to erect a naval power equal to or greater than any other. Thus the naval rivalry grew, until our own expenditures for naval power alone threatened to reach the colossal figure of twice the ordinary cost of the whole government 10 years ago.

"The conference was called. The limited scope defined for it by our distinguished Secretary of State was finally agreed to. The purpose was to put an end to this insane and ruinous rivalry in battleship construction and to the menace of the world's peace that it necessarily involved.

"We desired to go further and to establish, if possible, our principle of the Open Door in China.

"We hoped to see the province of Shantung, in which its two great philosophers and sages, Confucius and Mencius, were born, restored to the Chinese.

"We intended to ask our friends, the British and Japanese governments, to abandon their treaty of alliance that for 15 years had been to us as a thorn in the side.

"Every one of these splendid objectives was attained by our President and Secretary of State, with the brilliant co-operation of the members of the peace commission, including the Republican and Democratic leaders of this body.

"The great conference proved to the people not only of our own country, but of the world that there are alternatives to war and force and rivalry in arms to obtain justice and right among nations.

"It was such a demonstration of the worth of conferences on particular questions that the people everywhere have been enormously impressed by this method of international dealing in all disputations questions and issues. No wonder that every telegraph wire, every mail that reaches this capital is freighted with messages of delighted approval of the President, of Secretary Hughes, and of the commissioners who accomplished this splendid thing in behalf of the world's peace and recovery, the chance of recovery from the ruin of war, and this impressive reduction in costs and taxes in time of peace to prepare for, yes, and to cause war.

"Mr. President, I cannot vote against such an achievement of the true spirit and efficiency of America. The defeat of this treaty or the mutilation of it, as it seems to me, would be a tragedy scarcely less appalling than the World War itself.

"To dash a people's hopes, raised so high during the memorable, historic, fateful days of the negotiation of these treaties of peace, because of timid doubts or suspicions, or technical and petty criticism of words, or a preposterous fear of attack from some unknown and impossible quarter, or a chronic fear of any sort of agreement among nations requiring our signature and fulfillment of terms, is to assume a responsibility for future misunderstandings, rivalries and wars that I, for one, do not dare to take.

"On the contrary, I feel that in supporting the treaties, in holding up the hands of our President and Secretary of State in their superb success in accomplishing the great purposes of the conference, I act on one of the great privileges of my life to serve my country and all countries.

"Mr. President, I support the treaties because I believe in them, confident that they make the greatest single contribution to world peace that has been made in my lifetime, but I support them also because I indorse the striking statement of President Harding concerning the great possibilities for peace and understanding, good will and intercourse and commerce and happiness and profitable industry on the earth, in his farewell address to the armament conference. 'I once believed,' he said, 'in armed preparedness. I advocated it. But I have come now to believe there is better preparedness in a public mind and a world opinion made ready to grant justice precisely as it exacts it. And justice is better served in a conference than in a conflict of arms.'

News of the World in Pictures



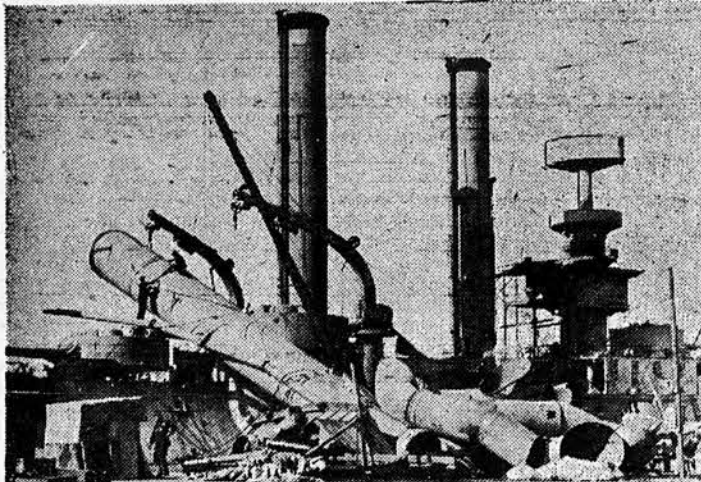
Secretary John W. Weeks of the War Department, Chauncey M. Depew and Sergeant Samuel Woodfill at Fort Marion in St. Augustine, Fla.; General Pershing Selected Sergeant Woodfill as One of the Greatest Heroes in the World War; Mr. Depew is President of the Fort Marion Historical Society at St. Augustine.



Miss Liberty's Little Sister; It is the Gift of the American Chamber of Commerce to the City of Rio de Janeiro; This Photo Shows Charles Keck, Noted New York Sculptor at Work on This Figure; It is the Second Largest of Its Kind in the World; When Completed It Will be Presented to the Brazilian Government and Will Stand at the Entrance to the Harbor of Rio de Janeiro; It is Almost Akin to the Statue of Liberty in New York Harbor.



This is Judge K. M. Landis; He is High Commissioner of Base Ball; The Judge is Shaking Hands With the Boys at the Brooklyn Dodger's Training Camp at Jacksonville, Fla.; He Made a Great Hit With the Robins at the Camp.



Scrapping the Brooklyn, Admiral Schley's Flagship at the Battle of San Diego, Cuba; War Veterans Who were Out of Work are Now Wrecking This Ship Which Cost 5 Million Dollars to Build; It Has been Sold to a Junk Firm in San Francisco, Calif; It was Once the Pride of the Navy and Played a Leading Part in Destroying the Spanish Navy.

William Gibbs McAdoo, Former Secretary of the Treasury; Mrs. McAdoo, Daughter of Ex-President Wilson; Ellen Wilson McAdoo, Now 7 Years Old; and Mary Faith McAdoo, About 22 Months Old; This View Shows Them on the Porch of Their New Home in Pasadena, Calif.; the Boy Scouts and Their Cornet Band Turned Out in Full Force to Welcome the McAdoos to the Land of Sunshine and Flowers.



John D. Rockefeller Poses on the Golf Links at Ormond, Fla.; the Photographer Found the World's Richest Man in Very Good Spirits; President Harding Had been Gone Only About 10 Minutes When Mr. Rockefeller Arrived; Evidently Business Cares Do Not Weigh Heavily on America's Foremost Citizen; Mr. Rockefeller Enjoys His Winter Vacations in Florida and Spends His Leisure Moments in Beneficial Exercise

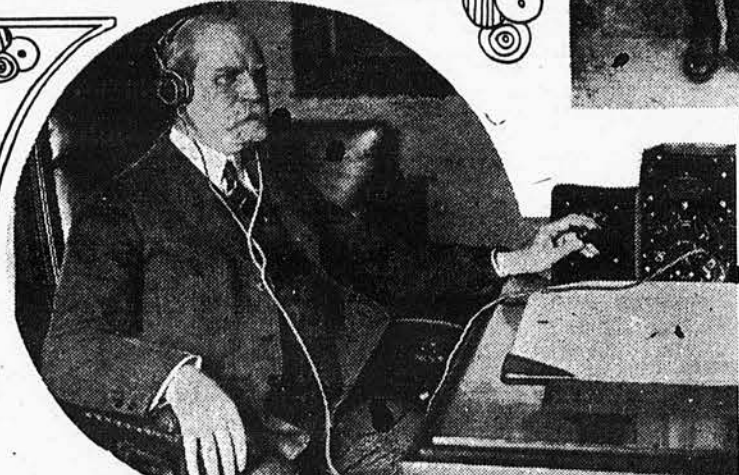


Senators' Wives and Friends at a Recent Washington Luncheon; Seated are: Mrs. A. B. Fall, Mrs. Henderson, Mrs. R. L. Owen, Mrs. William E. Borah, Mrs. Arthur Capper, Mrs. T. H. Caraway, Mrs. Calvin Coolidge, Mrs. Morris Shepard, Mrs. Atlee Pomerene, Mrs. William J. Harris, Mrs. H. W. Keyes, and Mrs. William B. Bankhead; Standing are the Following: Mrs. Ralph Cameron, Mrs. George W. Pepper, Mrs. James A. Reed, Mrs. N. B. Dial, Mrs. Taylor, Mrs. John W. Harrell, Mrs. A. O. Stanley, Mrs. Coleman DuPont, Mrs. Porter J. McCumber, Mrs. Medill McCormick, Mrs. Tasker Oddie, Mrs. Pat Harrison.

A Recent Photo of Matilde McCormick; She is the 16-Year Old Grand-daughter of John D. Rockefeller; and is the Daughter of Harold F. McCormick of Chicago; Miss McCormick in the Near Future Will Wed Max Oser, a Swiss Riding Master; She is Shown Here in a Moment of Leisure at Hot Springs, Va.; After an Enjoyable Vacation and a Good Rest in Virginia Miss McCormick Expects to Begin Preparation for Her Wedding Which is Attracting World-Wide Attention at This Time.



President Harding Leaving the Golf Links at Ormond, Fla., Just After the Close of the Game; Edward Beale McLean of Washington, D. C., is Driving the Machine; About 10 Minutes After the President Left John D. Rockefeller Arrived and Played on the Same Links; a Great Crowd Gathered Around the President.



Charles Evans Hughes, Secretary of State, Has Installed a Radiophone in His Office; He is Shown Here Seated at His Desk "Listening in" on the Radiophone; Many Statesmen, Congressmen, Diplomats, and Other Notables Have Taken Up the Nation-Wide Radio Habit; Secretary Hughes Heads the List.



Sorghums for West Kansas

Red Amber Sorgo Leads for Either Rough Feed or Silage While Dawn Kafir Has the Edge for Grain Production, Hays Experiments Have Shown

By L. E. Call

RED AMBER sorgo is without question the best variety of sorghum to grow in Central Kansas, around Hays, for example, for either rough feed or silage. It generally is the best variety to grow for this purpose thruout Western Kansas. None of the sorgos are desirable to grow for grain because the grain is bitter and therefore poor for feeding. Dawn kafir is one of the best varieties to plant when grain is desired.

While feterita has produced on the average slightly higher grain yields, there are some objections to this crop that make it less desirable than Dawn kafir to plant on an extensive scale. The vitality of the seed often is low because the grain is injured easily by wet weather. It therefore often is difficult to get a good stand of feterita, especially when conditions are not the most favorable at planting time. Feterita is valuable to plant in case of a failure of other grain sorghum crops. It matures quickly and is a good crop to use for replanting.

Pink kafir has been grown extensively at the Hays Experiment Station. It is one of the best general purpose crops. It produces in favorable seasons a fair yield of grain, also a good yield of valuable stover. It will be found better adapted to conditions east and south of Hays than to the northwest where the growing season usually is too short for this variety.

Many New Varieties Introduced

New varieties of sorghum are introduced almost every season. Most of these are less satisfactory than the standard varieties now grown. It usually is a mistake to waste money in buying and time in planting them.

Sorghum crops usually are planted with a lister because the crop can be grown more economically in this way. The treatment the ground should have in advance of planting will depend on soil and the crop grown on the field the preceding season. When a rowed crop of corn or sorghum was grown the season before and the soil is a sandy

loam or some other soil of light texture, a thoro double disking in advance of planting usually will be sufficient preparation for the crop.

Disking in advance of listing probably will not greatly influence the yield providing the crop is kept clean, but it will kill a crop of small weeds and perhaps save one cultivation. On the heavier types of soil such as silt loam and silty clay loam it usually will pay to blank-list in advance of listing the crop. These soils are heavy, they warm up slowly in the spring and usually bake in the bottom of the lister furrow so that it is difficult to get a good stand of grain sorghum when the grain is planted with the first listing. If such soils can be blank-listed fairly early, the weeds killed and a little dirt thrown into the furrow with a lister cultivator a short time in advance of planting and the lister furrows "nosed out" with the lister when the grain is

planted a much better stand will be obtained than when the crop is listed at planting without previous preparation of the soil.

When the sorghum crop follows wheat much more attention should be given the preparation of the seedbed. The volunteer wheat growing on such fields soon exhausts the soil of moisture. The earlier such land can be worked and the volunteer wheat killed, the better the opportunity of producing a good crop.

The best crops have been obtained where the ground was listed in the fall and left rough over winter and the crop planted by splitting the ridges or by cultivating the ground to kill the weeds previous to planting and opening the old furrows at planting. These methods have increased the yield about 80 per cent at Hays over simply listing at planting. Early spring preparation also has greatly increased the

yield, altho the increases in yield for early spring working have been less than the increases secured by listing in the fall.

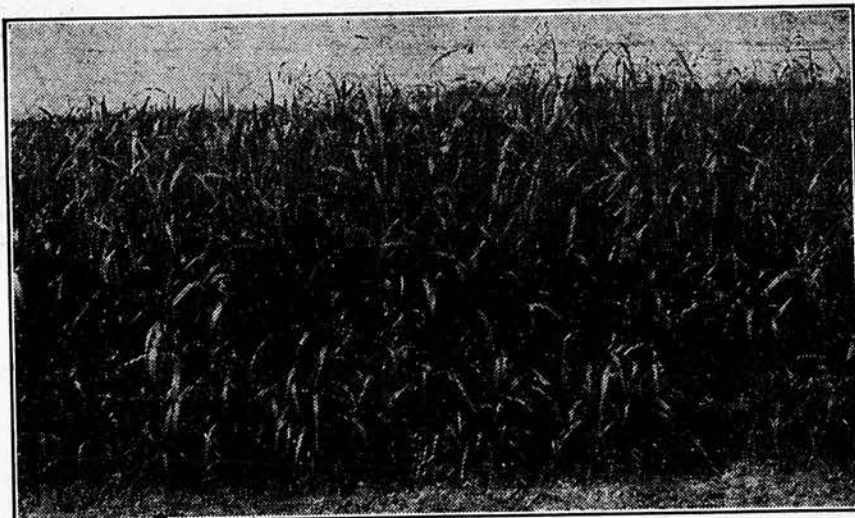
Five varieties of sorghum were planted at five different dates every season for five years. The dates ranged from May 1 to July 1 by approximately two week intervals. Freed, Black Amber and Red Amber sorgo, feterita and Dawn kafir were planted. Planting before May 15 seldom gave satisfactory results. After June 15 Freed's sorgo usually was the only crop that matured. The best period of planting usually was during the last 10 days of May. The later maturing grain sorghums should be planted first.

Pink and also Dawn kafir ought to be planted as soon after May 15 as conditions will permit, and with favorable weather earlier planting will pay. After June 1 it will pay to plant feterita rather than kafir for grain and after June 15 Freed's sorgo is the only crop that is likely to mature. Red Amber made the heaviest yields of feed when planted in the early days of June.

Another good sorghum for Western Kansas is Sudan grass. This crop can be sown with an ordinary grain drill set to sow 2 pecks of wheat an acre. This will sow the Sudan grass seed at the rate of 15 to 20 pounds, which is entirely satisfactory if seed is cheap.

When Seed is Expensive

When seed is expensive the drill can be set to plant the rows from 12 to 24 inches apart and the amount of seed reduced to 5 to 10 pounds depending on the width of the rows. The yield of hay will not be reduced by the lighter seeding but the crop will be coarser. Sudan grass is not exacting as to time of cutting for hay. It can be cut at any convenient time after the first heads appear and before the seed passes the soft dough stage. Earlier cutting may be advisable in case the crop is stunted by drouth or injured by grasshoppers or other injurious insects that may be present.



Sudan Grass on the Hays Experiment Station Farm; This Crop is Becoming of Increasing Importance in Central and Western Kansas

Minutes and Milk Profits

Speed With Which Milk is Chilled and Bottled After Being Drawn From Cows Has Been a Big Factor in the Success of the Bock Dairy

By Ray Yarnell

WITHIN five minutes after it is drawn from the cows milk on the F. H. Bock & Sons' dairy near Wichita has been cooled to a temperature of 35 to 40 degrees, put in sterile bottles and tightly capped. From then until it reaches the consumer it never reaches a temperature in excess of 50 degrees.

That accounts, in large part, for the low bacterial count, the milk practically never showing more than 20,000 and usually from 4,000 to 5,000. It is a highly specialized product and is retained in Wichita as suited for the use of babies, thereby obtaining a steadier market and better prices at all times.

Production, of course, involves greater than average costs but the Bock dairy has proved it profitable. It has built up a capacity demand for its milk that it can depend on the year round. In order to do this and to hold the trade it is necessary that the milk supply shall be practically the same every month.

The breeding schedule is so arranged as to get the maximum production from the cows for the greatest number of months and altho the highest producing animals freshen late in

the spring the milk supply tends to decline in the summer.

To offset this shrinkage the Bock dairy buys 15 to 20 extra cows to add to its producing herd during that period. They are kept in good condition and when the normal milk production picks up in the fall they are sold on the beef market. If the price is unsatisfactory, as it was last fall, the extra cows are carried thru the winter and are brought into production again in the spring.

Of course this necessitates addi-

tional expense but Mr. Bock says it has paid him, because he has been able always to supply his trade while some other dairymen have been unable to meet the demands of distributors for their product. Bidding for the patronage of a select class Bock capitalizes his guarantee of a supply on which his customers definitely can count.

All the milk, around 200 gallons a day, is sold at the farm for cash to a Wichita distributor who delivers it in the city. The Bock dairy regularly advertises its product to stimulate demand, in very much the same way as the (Continued on Page 24)



These High Producing Holsteins Belong to F. H. Bock & Sons of Wichita, Kan. The Nine Cows Have an Average Individual Production on Seven Day Test of 603.6 Pounds of Milk and 25.8 Pounds of Butterfat. The High Cow Produced 714 Pounds of Milk and 27.1 Pounds of Butterfat in Seven Days

The Adventures of the Hoovers

The Bunny Hug and the Bear Dance May be All Right in High Society But Buddy Called a Halt When Bruno Broke into the Game



The Indian Drum

By WILLIAM MacHARG
and EDWIN BALMER

A Story of the Adventures of Alan Conrad of Blue Rapids, Kan., on the Great Lakes

(Copyright by Edwin Balmer)

THE early history of Alan Conrad was as much of a mystery to him as to others who knew him. Thru an advertisement in one of the daily papers in 1896 asking for some one to care for a boy 3 years old he was placed with the Welton family in Blue Rapids, Kan. He was accompanied by a Chicago man who paid in advance for a full year's board for the boy and he agreed to send a certain amount every two months for this purpose. For seven years the amount agreed upon and a small amount for the boy's personal use as spending money came regularly and then it suddenly ceased.

When he was about 17 years old another envelope came from Chicago containing only a draft for \$1,500 which he turned over to Mr. Welton. Sometime later a second letter came with a check for \$100 and a request that Alan come to Chicago immediately and report at the home of Benjamin Corvet at a certain address on Astor Street.

On his arrival at the place designated Alan finds no one there except Constance Sherrill, a daughter of one of Mr. Corvet's business partners. From her he learns that Mr. Corvet had suddenly gone away and no one knew where he was. Later he meets Lawrence Sherrill, her father, who gives Alan a brief history of Mr. Corvet as he knew him, and of his separation from his wife in 1896. He also gave Alan a short account of his own life and of his later association with Mr. Corvet and Mr. Spearman in the lum-

ber industry. Mr. Sherrill then handed to him a deed conveying from Corvet to Alan certain property and the house on Astor Street.

Alan has a number of adventures in the house on the night of his first visit and gets into a fight with a daring intruder but finally drives him away. Alan pursues the intruder but is unable to overtake him.

The Concern of Real Interest

The thought of the unknown fate of the ship and crew—of the ship which had sailed and never reached port and of which nothing ever had been heard but the beating of the Indian drum—set her blood tingling as it had done before, when she had been told about the ship, or when she had told others about it and the superstition connected with it. It was plain Alan Conrad had not asked about it idly; something about the Miwaka had come to him recently and had excited his intense concern.

"Whose ship was it?" he asked. "My father's?"

"No; it belonged to Stafford and Ramsdell. They were two of the big men in their time in the carrying trade on the lakes, but their line has been out of business for years; both Mr. Stafford and Mr. Ramsdell were lost with the Miwaka."

"Will you tell me about it, and them, please?"

"I've told you almost all I can about Stafford and Ramsdell, I'm afraid; I've just heard father say that they were men who could have amounted to a great deal on the lakes, if they had lived—especially Mr. Stafford, who was very young. The Miwaka was a great new steel ship—built the year after I was born; it was the first of nearly a dozen that Stafford and Ramsdell had planned to build. There was some doubt among lake men about steel boats at that time; they had begun to be built very largely quite a few years before, but recently there had been some serious losses with them. Whether it was because they were built on models not fitted for the lakes, no one knew; but several of them had broken in two and sunk, and a good many men were talking about going back to wood. But Stafford and Ramsdell believed in steel and had finished this first one of their new boats."

"She left Duluth for Chicago, loaded with ore, on the first day of December, with both owners and part of their families on board. She passed the Soo on the third and went thru the Straits of Mackinac on the fourth into Lake Michigan. After that, nothing was ever heard of her."

"So probably she broke in two like the others?"

"Mr. Spearman and your father both thought so; but nobody ever knew—no wreckage came ashore—no message of any sort from any one on board. A sudden winter storm had come up and was at its worst on the morning of the fifth. Uncle Benny—your father—told me once, when I asked him about it, that it was as severe for a time as any he had ever experienced. He very nearly lost his life in it. He had just finished laying up one of his boats—the Martha Corvet—at Manistee for the winter; and he and Mr. Spearman, who then was mate of the Martha Corvet, were crossing the lake in a tug with a crew of four men to Manitowish, where they were going to lay up more ships. The captain and one of the deck hands of the tug were washed overboard, and the engineer was lost trying to save them. Uncle Benny and Mr. Spearman and the stoker brought the tug in. The storm was worst about five in the morning, when the Miwaka sunk."

"How do you know that the Miwaka sunk at five?" Alan asked, "if no one ever heard from the ship?"

"Oh; that was told by the Drum!"

"The Drum?"

"Yes; the Indian Drum! I forgot; of course you didn't know. It's a superstition that some of the lake men have, particularly those who come from people at the other end of the lake. The Indian Drum is in the woods there, they say. No one has seen it; but many people believe that they

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Battle Creek, Michigan

ing her from the railroad station and, he said, from a most particularly stuffy booth and, besides having a poor connection, there was any amount of noise about him; but he was anxious to see Constance as soon as possible. Could she be in town that morning and have luncheon with him? Yes; she was going down-town very soon and, after luncheon, he could come home with her if he wished. He certainly did wish, but he couldn't tell yet what he might have to do in the afternoon, but please would she save the evening for him. She promised and started to tell him about Alan, then recollected that Henry was going to see her father immediately at the office.

Alan was standing, waiting for her, when she returned to the breakfast room.

"Ready to go down-town?" she asked.

"Whenever you are."

"I'll be ready in a minute. I'm planning to drive; are you afraid?"

He smiled in his pleasant way as he glanced over her; she had become conscious of saying that sort of thing to tempt the smile. "Oh, I'll take the risk."

Rhymes of the Lake

Her little gasoline-driven car—delicate as tho a jeweler had made it—was waiting for them under the canopy beside the house, when they went out. She delayed a moment to ask Alan to let down the windows; the sky was still clear, and the sunshine had become almost warm, tho the breeze was sharp and cold. As the car rolled down the drive, and he turned for a long look past her toward the lake, she watched his expression.

"It's like a great shuttle, the ice there," she commented, "a monster shuttle nearly three hundred miles long. All winter it moves back and forth across the lake, from east to west and from west to east as the winds change, blocking each shore half the time and forcing the winter boats to fight it always."

"The gulls go opposite to it, I suppose, sticking to open water."

"The gulls? That depends on the weather. 'Sea-gulls, sea gulls,' she quoted, 'sit on the sand; it's never fair weather when you're on the land.'"

Alan started a little. "What was that?" he asked.

"That rhyme? One which the wives of the lake men teach their children. Did you remember that too?"

"After you said it."

"Can you remember the rest of it?"

"Green to Green—Red to Red," Alan repeated to himself. "Green to green" and then something about—how is it, "Back her—back and stopper,"

"That's from a lake rhyme too, but another one!" she cried. "And that's quite a good one. It's one of the pilot rules that every lake person knows. Some skipper and wheelsman set them to rhyme years ago, and the lake men teach the rhymes to their children so that they'll never go wrong with a ship. It keeps them clearer in their heads than any amount of Government printing. Uncle Benny used to say they've saved any number of collisions. Meeting steamers do not dread," she recited,

"When you see three lights ahead! Port your helm and show your red. For passing steamers you should try To keep this maxim in your eye, Green to Green—or Red to Red—Perfect safety—go ahead. Both in safety and in doubt, Always keep a good lookout; Should there be no room to turn, Stop your ship and go astern."

"Now we're coming to your 'back and stopper'."

"If to starboard Red appear, 'Tis your duty to keep clear; Act as judgment says is proper. Port or starboard—back or stop her! But when on your port is seen A steamer with a light of Green, There's not much for you to do—The Green light must look out for you."

Into Rush Street

She had driven the car swiftly on the boulevard to the turn where the motorway makes west to Rush Street, then it turned south again toward the bridge. As they reached the approach to the bridge and the cars congested there, Constance was required to give all her attention to the steering; not until they were crossing the bridge was she able to glance at her companion's face.

To westward, on both sides of the river, summer boats were laid up, their decks covered with snow. On the other side, still nearer to the bridge, were some of the winter vessels; and, while the motor was on the span, the bells began ringing the alarm to clear the

bridge so it could turn to let thru a great steamer just in from the lake, the sun glistening on the ice covering its bows and sides back as far as Alan could see.

Forward of the big, black, red-banded funnel, a cloud of steam bellowed up and floated back, followed by another and two deep, reverberating blasts rumbled up the river majestically, imperiously. The shrill little alarm bells on the bridge jangled more nervously and excitedly, and the policeman at the south end hastily signalled the motor cars from the city to stop, while he motioned those still on the bridge to scurry off; for a ship desired to pass.

"Can we stop and see it?" Alan appealed, as Constance ran the car from the bridge just before it began to turn.

She swung the car to the side of the street and stopped; as he gazed back, he was—she knew—seeing not only his first great ship close by, but having his first view of his people—the lake men from whom now he knew from the feeling he had found within himself, and not only from what had been told him, that he had come.

The ship was sheathed in ice from stem to stern; tons of the gleaming, crystal metal weighed the forecandle; the rail all round had become a frozen bulwark; the boats were mere hummocks of ice; the bridge was encased, and from the top of the pilot house hung down giant stalactites which an axeman was chopping away. Alan could see the officers on the bridge, the wheelsman, the lookout; he could see the spurt of water from the ship's side as it expelled with each thrust of the pumps; he could see the whirlpool about the screw, as slowly, steadily, with signals clanging clearly somewhere below, the steamer went thru the draw. From up the river ahead of it came the jangling of bells and the blowing of alarm whistles as the other bridges were cleared to let the vessel thru. It showed its stern now; Alan read the name and registry aloud: "Groton of Escanaba!" Is that one of yours, Miss Sherrill; is that one of yours and my—Mr. Corvet's?"

She shook her head, sorry that she had to say no. "Shall we go on now?"

The bridge was swinging shut again; the long line of motor cars, which had accumulated from the boulevard from the city, began slowly to move. Constance turned the car down the narrow street, fronted by warehouses which Alan had passed the morning before, to Michigan Avenue, with the park and harbor to the left. When she glanced now at Alan, she saw that a reaction of depression had followed excitement at seeing the steamer pass close by.

Memory of the Ship

Memory, if he could call it that, had given him a feeling for ships and for the lake; a single word—Miwaka—a childish rhyme and story, which he might have heard repeated and have asked for a hundred times in babyhood. But these recollections were only what those of a three-years' child might have been. Not only did they refuse to connect themselves with anything else, but by the very finality of their isolation, they warned him that they—and perhaps a few more vague memories of similar sort—were all that recollection ever would give him. He caught himself together and turned his thoughts to the approaching visit to Sherrill—and his father's offices.

Observing the towering buildings to his right, he was able to identify some of the more prominent structures, familiar from photographs of the city. Constance drove swiftly a few blocks down this boulevard; then, with a sudden, "Here we are!" she shot the car to the curb and stopped. She led Alan into one of the tallest and best-looking of the buildings, where they took an elevator placarded "Express" to the fifteenth floor.

On several of the doors opening on the wide marble hall where the elevator left them, Alan saw the names, "Corvet, Sherrill and Spearman." As they passed, without entering, one of these doors which stood propped open, and he looked in, he got his first realization of the comparatively small land accommodations which a great business conducted upon the water requires. What he saw within was only one large room, with hardly more than a dozen, certainly not a score of desks in it; nearly all the desks were closed, and there were not more than three or four people in the room, and these apparently stenographers. Doors of sev-



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eral smaller offices, opening upon the larger room, bore names, among which he saw "Mr. Corvet" and "Mr. Spearman."

"It won't look like that a month from now," Constance said, catching his expression. "Just now, you know, the straits and all the Northern lakes are locked fast with ice. There's nothing going on now except the winter traffic on Lake Michigan and, to a much smaller extent, on Ontario and Erie; we have an interest in some winter boats, but we don't operate them from here. Next month we will be busy fitting out, and the month after that all the ships we have will be on the water."

Where Mr. Sherrill Worked

She led the way on past to a door farther down the corridor, which bore merely the name, "Lawrence Sherrill"; evidently Sherrill, who had interests aside from the shipping business, had offices connected with, but not actually a part of the offices of Corvet, Sherrill and Spearman.

A girl was on guard on the other side of the door; she recognized Constance Sherrill at once and, saying that Mr. Sherrill had been awaiting Mr. Conrad, she opened an inner door and led Alan into a large, many-windowed room, where Sherrill was sitting alone before a table-desk. He arose, a moment after the door opened, and spoke a word to his daughter, who had followed Alan and the girl to the door, but who had halted there. Constance withdrew, and the girl from the outer office also went away, closing the door behind her. Sherrill pulled the "visitor's chair" rather close to his desk and to his own big leather chair before asking Alan to seat himself.

"You wanted to tell me, or ask me, something last night, my daughter has told me," Sherrill said cordially. "I'm sorry I wasn't home when you came back."

"I wanted to ask you, Mr. Sherrill," Alan said, "about those facts in regard to Mr. Corvet which you mentioned to me yesterday but did not explain. You said it would not aid me to know them; but I found certain things in Mr. Corvet's house last night which made me want to know, if I could, everything you could tell me."

Sherrill opened a drawer and took out a large, plain envelope.

"I did not tell you about these yesterday, Alan," he said, "not only because I had not decided how to act in regard to these matters, but because I had not said anything to Mr. Spearman about them previously, because I expected to get some additional information from you. After seeing you, I was obliged to wait for Spearman to get back to town. The circumstances are such that I felt myself obliged to talk them over first with him; I have done that this morning; so I was going to send for you, if you had not come down."

The Letter Had Gone

Sherrill thought a minute, still holding the envelope closed in his hand.

"On the day after your father disappeared," he went on, "but before I knew he was gone—or before any one except my daughter felt any alarm about him—I received a short note from him. I will show it to you later, if you wish; its exact wording, however, is unimportant. It had been mailed late the night before and apparently at the mail box near his house or at least, by the postmark, somewhere in the neighborhood; and for that reason had not been taken up before the morning collection and did not reach the office until I had been here and gone away again about eleven o'clock. I did not get it, therefore, until after lunch. The note was agitated, almost incoherent. It told me he had sent for you—Alan Conrad of Blue Rapids, Kan.—but spoke of you as tho you were some one I ought to have known about, and commended you to my care. The remainder of it was merely an agitated, almost indecipherable farewell to me. When I opened the envelope, a key had fallen out. The note made no reference to the key, but comparing it with one I had in my pocket, I saw that it appeared to be a key to a safety deposit box in the vaults of a company where we both had boxes."

"The note, taken in connection with my daughter's alarm about him, made it so plain that something serious had happened to Corvet, that my first

thought was merely for him. Corvet was not a man with whom one could readily connect the thought of suicide; but, Alan, that was the idea I had. I hurried at once to his house, but the bell was not answered, and I could not get in. His servant, Wassaquam, has very few friends, and the few times he has been away from home of recent years have been when he visited an acquaintance of his—the head porter in a South Side hotel. I went to the telephone in the house next door and called the hotel and found Wassaquam there. I asked Wassaquam about the letter to 'Alan Conrad,' and Wassaquam said Corvet had given it to him to post early in the evening. Several hours later, Corvet had sent him out to wait at the mail box for the mail collector to get the letter back. Wassaquam went out to the mail box, and Corvet came out there too, almost at once. The mail collector, when he came, told them, of course, that he could not return the letter; but Corvet himself had taken the letters and looked them thru. Corvet seemed much excited when he discovered the letter was not there; and when the mail man remembered that he had been late on his previous trip and so must have taken up the letter almost at once after it was mailed, Corvet's excitement increased on learning that it already probably was on the train on its way west. He controlled himself later enough at least to reassure Wassaquam; for an hour or so after, when Corvet sent Wassaquam away from the

house, Wassaquam had gone without feeling any anxiety about him.

"I told Wassaquam over the telephone only that something was wrong, and hurried to my own home to get the key, which I had, to the Corvet house; but when I came back and let myself into the house, I found it empty and with no sign of anything having happened."

"The next morning, Alan, I went to the safe deposit vaults as soon as they were open. I presented the numbered key and was told that it belonged to a box rented by Corvet, and that Corvet had arranged about three days before for me to have access to the box if I presented the key. I had only to sign my name in their book and open the box. In it, Alan, I found the pictures of you which I showed you yesterday and the very strange communications that I am going to show you now."

Sherrill opened the long envelope from which several thin, folded papers fell. He picked up the largest of these, which consisted of several sheets fastened together with a clip, and handed it to Alan without comment. Alan, as he looked at it and turned the pages, saw that it contained two columns of typewriting carried from page to page after the manner of an account.

(TO BE CONTINUED.)

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Growers Flock to Spud Train

Big Crowds Turn Out in Kaw Valley to Study Methods of Controlling Diseases and Insects

RHIZOCTONIA, the dirt that won't wash off, which is present on most of the potato seed available for planting in the Kaw valley this year, was responsible for much of the interest, shown in the special potato train operated in the valley last week by the Union Pacific Railroad in co-operation with the Kansas State Agricultural College.

At every town where stops were made from Manhattan to Kansas City, growers turned out in large numbers to study the exhibits and obtain information in regard to seed treatment thru which rhizoctonia or black scurf is controlled.

Seed treatment received most attention, altho all phases of the potato growing industry, including soil preparation, fertilization, rotation of crops and the control of diseases and insects by spraying were studied.

Many Interesting Exhibits Shown

The potato car was filled with exhibits of diseased tubers, both Sweet and Irish, simple apparatus for treating seed, collections of damaging insects, photographs of damaged plants, large charts giving formulas for preparing sprays and instruction as to how to control various diseases.

The train was in charge of C. C. Gignoux, assistant supervisor of agriculture and George J. Mohler, traveling supervisor of agriculture of the Union Pacific Railroad. The representatives from the Kansas State Agricultural College were T. J. Talbot, Albert Dickens, R. I. Throckmorton, E. A. Stokdyk, George A. Dean, E. B. Wells and J. B. Bennett.

Seed treatment was discussed in detail by Mr. Stokdyk. He said that tests had shown it unwise to put sacked potatoes into the corrosive sublimate mixture because the sacks rapidly absorbed the chemical and weakened the solution. He advised, that either a cement tank or barrels be used. The mixture loses strength if permitted to stand over night and Mr. Stokdyk recommended that a new solution be prepared if all the seed could not be treated in one day.

The treating solution also rapidly is weakened if dirt is dumped into it along with potatoes. The corrosive sublimate, in addition to preventing development of black scurf, will kill scab on the seed potato. It will give no protection, however, where the soil in which the seed is planted is infected with the disease.

"I haven't seen any seed potatoes this year that were free from rhizoctonia," said Mr. Stokdyk. "I think that 50 to 75 per cent of the seed is infected. This disease is largely responsible for the fact that 40 per cent of the hills planted do not produce thrifty plants. Most of these hills do not produce a plant at all."

Potato seed is diseased because soil in the North where it is produced, is badly infected. The only way in which Kaw valley growers can protect themselves is to treat to prevent the development of the diseases here.

Marketing Problems Discussed

For the control of the Colorado Potato beetle commonly known as the "potato bug" Prof. George A. Dean recommends the use of an arsenate of lead spray. This will kill the mature beetles and will control the succeeding generations which do most of the damage. For tipburn, caused by leaf hoppers, Prof. Dean urged use of a Bordeaux mixture spray, 4-5-50, to which is added 3 pounds of quicklime.

Fall plowing and disking are the best methods of controlling the white grubs. The more the soil is stirred the less chance there is that this pest will damage the potato crop.

Prof. R. I. Throckmorton, in discussing soils adapted to potatoes, said: "Much of the Kaw Valley soil is too heavy for potatoes. The best potato soil is a sandy loam, well drained, and rich in humus and plant food. Potatoes are heavy feeders, especially on organic matter. This organic matter must be replaced by barnyard manure and green manure and by rotation with some leguminous crop. The Agricultural College does not at this time recommend the use of commercial fertilizer in the Kaw Valley. Fall or sum-

mer plowing, followed by spring plowing or disking, usually brings the highest yields."

Marketing problems were discussed by Prof. Albert Dickens. He said:

"The marketing problem of the Kaw Valley potato grower is to put on the market potatoes that are well graded and free from dirt. A dealer of Cedar Rapids, Ia., once weighed out 21 pounds of dirt from one sack of Kaw Valley potatoes. Such marketing practices as this by a few growers injure the market for the whole valley. The man who threw in the little potatoes with his big ones because the children of the buyers might not want big potatoes, was butting in too much on the family affairs of the buyers. The Kaw Valley potato is an early potato. It is sold in a hot season and must reach the consumer within a few days after it is dug. The market conditions should govern largely the time of digging."

The potato special spent a week in the Kaw Valley, making several stops in Riley, Pottawatomie, Shawnee, Douglas, Leavenworth and Wyandotte counties. It was in Topeka Wednesday, March 22.

Hogs Must Have Pasture

BY A. C. HARTENBOWER

This is the season of the year when provision should be made for pasture for the hogs on farms where no perennial pasture crops are available. To continue to produce hogs in dry lots on grain feed alone is only to continue receiving a lower profit than is possible.

Among the crops which are available we may include oats, rape, soybeans, cowpeas and sweet sorghum. Of these, probably rape is the best, altho any of the other crops mentioned are far superior to no pasture. It appears to me that it is especially desirable that pasture be provided for brood sows. They are the ones which the farmer too often expects to give good litters of strong pigs when kept in small pens and fed in the easiest possible way.

Whatever you do, don't neglect the pasture crops. They are worth far more than the effort required to have them available.

State Dairy Association Meets

Improved methods of caring for cream, thereby raising the grade and the price received for it, were discussed in detail by the Kansas State Dairy association which met in Topeka recently. It was brought out that proper cooling was essential, that the separator and all utensils employed should be kept scrupulously clean and that cool cream should never be mixed with warm cream. Speakers at the meeting declared that the dairy industry in Kansas is on a more solid footing today than ever before in its history. The value of dairy cows in connection with general farming was emphasized and the safety of this method of farming illustrated. More than 150 delegates from different sections of the state attended the meeting.

National Dairy Report Ready

The report of the activities of the National Dairy Council during 1921 has been compiled and printed in a very attractive 12-page booklet, copies of which can be obtained by writing to the National Dairy Council at 910 S. Michigan Avenue, Chicago.

The results accomplished by the Council show that the work is growing rapidly and that there is a great need of every person in the dairy business getting back of the movement. The Council has proved itself a worthy organization and an organization which every man engaged in the dairy industry will find valuable to support.

The United States Department of Agriculture ranks Kansas sixth among the states in acreage of corn for the past year.

The inhabitants of St. Kilda, the loneliest spot in the British Isles, speak only Gaelic.

It's Going To Take Speed

Farming Will Soon Be On a Mechanical Basis

BY FRANK A. MECKEL

THERE is one thing that will make progress in agricultural endeavor for the next few years and that is "speed." I believe that we are going to see some remarkable steps made in the use of speed producing machinery on the farms of the country. It is bound to come. In fact it is already with us, altho some of us do not like to recognize it.

Civilization has advanced all down thru the ages by that adoption of methods which enabled man to speed up his operations. The old boy with his stone ax could not chop one-tenth as much wood as the neighbor with the iron ax, so the stone age man finally discarded his stone hatchet and bought an iron one from the first traveling salesman who came thru the country. Either that, or he pounded one out of an old stove lid or anything else he could find. Anyhow, he turned to the improved tool and then he was able to chop as much wood as his neighbor and still have time left to go to a picture show.

The old boys with the wooden plows and ox teams did a good piece of work in the field, but they had to be content with working about 10 acres. Who today could live at that rate, so notwithstanding the pride that many of the old-timers had in their prize ox teams, they finally gave way and tried out some horses and steel plows with the result that they could expand their operations considerably.

The pioneer of the scythe and the cradle, cutting his allotted acre a day soon had to take to the reaper and later the binder or get out of the swim. Likewise the flail gave way to the threshing machine.

Improvement the Order of the Day

Down thru the ages it has been improvement after improvement with one idea in mind. Speed up operations or quit business. It has been the same way in all lines. Even in the sporting world we find that speed has been the objective. The old high-wheeled racing sulky of grand-dad's day when the famous Gunpowder horse ran a mile in the marvelous time of 3:17 has been replaced by the speed cart of today and Gunpowder's grandson is doing the same old mile in 2:05.

The old time pitchers in a ball game who threw the ball underhand have passed along the road of all mortal things. Maybe the outfielders kicked at chasing so far after the ball under the old regime. At any rate, we have the speed kings of the diamond today who burn the ball over so fast that it takes a pretty good man to even see it, let alone hitting it very far. Today we can witness a complete ball game in less than 2 hours, while it used to take half a day to play a match. We have "speeded up" all the way around.

Returning again to agriculture we find that still all of the improvements in farm machinery have been made with the idea of speeding up farm operations; getting more done in less time with less manual labor; getting the work done on time and putting farming on a more business-like basis.

Just as we have advanced from a world of hand workers to machinery and power workers in an industrial way, we have advanced from man-power workers to horse-power workers agriculturally, and just so we are developing into a world of mechanical workers.

Power Machinery Saves the Horses

It is true that horses still maintain an important place on farms. They should do so, and perhaps always will. For there are jobs that are particularly adapted to horses. But power farming machinery is going to ease the horse's burden and make him more efficient by replacing him at work where he is at a disadvantage and leave him to work which he can do advantageously.

And power farming machinery is going to instill the speed that is needed in putting agriculture on a business par with other industries of the world.

It will not all come about in a day, and in the meantime there will be those who take issue with these statements, but it is coming nevertheless. The feed that is being put into unnecessary workstock will be put into other

livestock and the soil improved thereby.

The manufacture of power farming machinery has seen some rapid developments in the last 10 years. It will continue to develop, but in a different way. We have seen a great variety of makes and types of tractors come and go. Perhaps, the thing at which we are most sore is that we have been doing the experimenting with many of these types, but that is almost a thing of the past now.

A year ago there were over 200 different tractors being made and sold in this country. Today there are less than half as many as there were a year ago. It is a good sign, for the tractors which had been proved were the ones which have held the fort. It has been a case of the survival of the fittest, and we have emerged from the business depression strengthened in the knowledge that machines which are now on the market are more standard, tried and proved. Practically gone are the fly-by-night types and weird and untried designs, and as far as price goes, we now have tractors better than ever before at prices considerably lower than before the war, and that is something to consider.

Good Roads in Hard Times

Wisconsin is going ahead with its good road building notwithstanding the refusal of cement dealers to come down in price below \$1.40 a barrel, the agreement among the states of this section

being that they will not pay over \$1.30. Wisconsin figures that the extra 10 cents a barrel can be offset by cheaper labor than later. Its roads are the best in the West, and it is the history of road-building that communities once introduced to good roads want to have them.

Under the Federal Road act hard surfaced roads can be had at a price so distributed that the cost to land-owners is less than the construction and maintenance of inferior roads. If a road can be built for \$32,000 a mile, the National Treasury paying one-fourth, the county one-fourth, the township one-fourth and benefited property in a wider area than heretofore the final one-fourth, the cost to the average land owner will not much exceed \$3 an acre. Distributing this cost, with interest, over 20 years places a light tax on land values for a benefit that will be felt in land prices as well as cost of marketing.

There is loud complaint against good road building as untimely. But it will never be timely. One time may be said to be as good as another, except that there is a growing opinion that the best time for all large public improvements is in hard times. The advantage of centering public work when times are bad is in furnishing employment to idle men, thereby mitigating the suffering from depressions. As a great part of public improvement is in labor, making these improvements in hard times gets them done at less cost. It will ordinarily be true also that in time of depression not only labor but materials will be cheaper.

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Jayhawker's Farm Notes

By Harley Hatch

FROM watching the clouds and wondering whether it were ever going to rain the farmers in our neighborhood have gone to watching them and wondering when it is going to stop raining. They wish to sow their oats but find the chances poor when 4 inches of rain comes in one week. The papers herald these as "million dollar" rains and we are figuring up on them and find that we are all making money faster than we have at any time within the last five years. That is, if we allow each rain to be worth a million dollars to the farmers of Coffey county. Really, however, these rains have brought the wheat out at a great rate and the brown fields are now a solid green color. The present moisture combined with a few warm days will make prairie pasture early and plentiful. The oats will have to wait until it dries up but we are hoping to get them in the ground before March 25, which is mighty close at hand.

Drilling Better than Broadcasting

We have heard one or two say that when the ground dries that they will not take time to drill their oats but will broadcast them in as being the quickest way to do the work. We doubt very much whether that is any quicker than drilling when we come to the end of the completed job. We often have seen storms come when the broadcast job was half finished while with the drill the oats are all in and covered so far as the drill goes. There are no oats lying on top of the ground uncovered and there is no large acreage merely disked in and lacking the finish the harrow gives the job. We favor the drill in sowing all kinds of seed in this country west of the Missouri and we note that complaints of wheat winter-killing are very scarce since all wheat has been sown with press drills. Less seed is also needed with a drill, the stand is much more even and the seed often will come up when put in with a drill when it is so dry that broadcasted seed fails to germinate.

Trading Land for City Property

If the men who wish to deal in land can't find the cash with which to do business they will trade, either land for land or land for town and city property or anything they can get the land owner to take in exchange. It is always easy to trade land for other property which ought to make the landowner conclude that he was likely to get the worst of the bargain. The average farmer is a good judge of land but a very poor judge of the values of city and town property. Hence, to make himself safe, he should confine his trades to land. We traded for the farm on which we live 26 years ago giving acre for acre of our Nebraska farm for this one in Kansas and in addition paying \$5 an acre bonus.

A Good Serviceable Roofing

We have, during the past week, completed an addition to our poultry house in the form of a hatching house and shelter for little chickens. It is 14 by 16 feet in size and is divided in the center. One section is for setting hens and the other for the chicks when hatched. We do not use brooders but set a number of hens at the same time the incubator is put to work; the chicks are all given to the hens, one hen often caring for as many as 35. By having a warm dry place for the chicks,

this plan works well and we think the chicks do better than where they have no hen to look after them. We finished this house just before the rain, the last bit of roofing being nailed down just as the first drops began to fall. The 4-inch rain which followed was a test for the new roof but it never leaked a drop. For all farm buildings we like this asphalt, slate-surfaced roofing very much as it never leaks and is very nearly fire-proof. It is easily and quickly laid and the cost—\$2.20 a square—is only half that of shingles and our experience with it for the last nine years indicates that it will last almost as long. It should be battened down as well as being nailed according to directions, the battens being placed from 6 to 8 feet apart. In battening a roof, put the battens over the rafters and use an 8-penny nail to hold them down.

Big Jump in Land Values

We note that a recent inquiry into the present value of farm land in Kansas shows a reduction of from 50 per cent in some counties down to 18 per cent, which is the decrease given for Greenwood county, the smallest in the state. Farm land in the long run is worth only its production value and the values which were raised to correspond with war prices sooner or later had to come down. Coffey county adjoins Greenwood and we do not think the reduction in land valuations here is much different from that given for Greenwood.

We suppose that if a man were to buy farm land thrown on the market today he could get it in this county for about 20 per cent less than the same land would have cost two years ago. It would be difficult, however, to buy a good farm here today at any decrease from the price asked two years ago. Our farm land in this part of Kansas was not largely increased in value during the war and so we are not called upon to take the loss—largely a paper one—that some counties have had to take. We call it a paper loss where land did not change hands but where the supposed value was raised 40 per cent only to be dropped back again in these days when increased taxes begin to hurt.

Pasture Contracts Being Made

We are informed that cattle owners are very slow about making pasture contracts this spring and that many thousands of acres in the country west of Coffey county are still in the market. When cattle values advanced slightly about 10 days ago pasture owners were inclined to hold for top prices but we think cattle owners cannot stand very high pasture costs this season. The top price asked, we are informed, is \$8 a head for the season for mature cattle. This is for the best pasture but it is from \$1 to \$2 more a head than cattle owners care to pay. Locally there is plenty of pasture and to spare and land owners are advertising freely either to take in stock or to rent their pastures.

Most grass land owners would rather rent their land for meadow as it is not so hard on the sod as pasture but meadow goes begging at the lowest price ever known here. We are told that a number of good meadows have been rented in this township in the last two weeks for but 50 cents an acre, which in a number of instances is not enough to pay the taxes.



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Letters Fresh From the Field

FARMERS are urged to make free use of this page to discuss briefly any matter of general interest to rural communities. Address all letters intended for this purpose to John W. Wilkinson, Farm Letter Department, Kansas Farmer and Mail and Breeze, Topeka, Kan.

Finds Two Tractors Profitable

I bought a large tractor in 1918 and paid \$1,000 for it. I immediately put it to work getting wheat ground ready by summer fallowing. As it was a dry season, I only got 22 bushels an acre from my wheat that year. The next year I planted more wheat on summer fallowed ground, which yielded 33½ bushels an acre. I received \$2.05 a bushel for the wheat that season.

Since then I have used it to run a threshing machine every fall and winter. We threshed all last winter as well as winter before last when we had to shovel snow away from the grain stacks. Sometimes the snow was so deep in the winter of 1920 that the tractor could scarcely travel.

I bought a small tractor last spring to do most of the farming, as it travels faster than the large tractor. The small tractor will pull two lists or two sod plows. As the gears are inclosed we think it will last a long time. I also use this tractor to haul grain to market as it travels faster than a team. I can haul 100 bushels at a load. I do not use the light tractor for belt work so have made both tractors pay, as we do not have a truck. Monroe Traver, Hugoton, Kan.

Let's Scrap the Revolvers

I agree with D. S. Hadden in his article entitled, "To Scrap the Revolver." I always have lived in the West. I have worked in mining camps, and railroad camps and sawmill settlements, and have ridden the ranges, but I never carried a six shooter. I never saw the time that I could have used a six shooter to any advantage to myself, but I have seen the time that I would have used one if I could have had it. However, I always have thanked God since that I didn't have it.

I have known many accidents to happen from having a revolver. I saw one man get his head cracked with a club, while he had a pistol in his pocket, and it wouldn't have happened if he had not had a gun.

I have known several men to be killed in drunken brawls, but never knew a man to save himself from being robbed by having a gun. Let's pass a law making it a penitentiary offense for any man to have a revolver in his possession, and give the people 30 days to turn in all their guns. Then dump every one of them in the deepest waters of the ocean. Perry Ault, McCoy, Colo.

Capper Favors the Farmers

I have just learned that Senator Capper has succeeded Senator Kenyon as the head of what is known as the agricultural bloc. I wish to congratulate him, and I wish to state that I think the farmers and livestock men congratulate themselves in the matter.

We are for him, first, last and all the time. We are glad to know that Senator Capper is the head of the agricultural bloc and that the livestock men as well as the farmers will receive a square deal. Fred H. Bixby, Long Beach, Calif.

Finds Power Farming Profitable

We bought a 12-20 tractor in January, 1917. The price was \$1,155, including freight. This tractor has been in constant use ever since. We think it is the most convenient and the best tractor on the market today for these three reasons: It is of the four-wheel and four-cylinder type; it is equipped with a powerful four-cylinder heavy-duty gasoline motor which gives it a steady out-pull of power from a minimum amount of weight, and with practically no vibration, and it is equipped with the greatest feature ever put on a tractor—a special friction transmission. This tractor has seven speeds forward and seven reverse, with one motor speed, either for traction or belt work.

We bought this tractor especially for plowing, as we plow about 75 acres

every year. Our tractor pulls three 14-inch plows, and we average about 1 acre an hour with it. When the ground is in good condition we can plow an acre on 1 gallon of kerosene. We use about 1½ gallons of lubricating oil a day when we run all day. We haven't done very much harrowing with our tractor, but what we did do, was satisfactory. After we had the wheat in the ground for the last two years, we never have had a horse in the field except to haul the grain to the threshing machine. We have harrowed and disked at the same time with our tractor with good success.

Our tractor is kept busy all the year around. In the winter we shell corn and saw wood with it. We also pull a 24-inch separator with the machine, and have plenty of power.

Ames, Kan.

Ray Huscher.

Makes Tractor Do Everything

I bought a 12-25 gas tractor last July. I also bought a 14-inch bottom plow. I plowed 6 to 8 inches deep and averaged 10 to 12 acres a day at a cost of 72 cents an acre. I used 30 gallons of kerosene a day which cost me about 14 cents a gallon, and 3 gallons of lu-

bricating oil at 60 cents a gallon. The total for a day's run was \$7.20. When filling silos I cut about 90 tons a day at \$5.94 for a day's run. I pulled a hedge row at a total cost of \$4.76 a day.

One of the biggest advantages in a tractor is that it does not cost anything if it isn't in use, and it can stand to be run 24 hours a day if necessary.

If I were to buy another bottom plow for my tractor I would buy a 12-inch bottom plow because they do better work, pull easier, and plow more ground in a day than a 14-inch bottom plow does.

I also have a few suggestions to make about the care of a tractor: Never buy too small an engine, thinking you will save money for it will cost more in the end. Do not over-load the tractor. Always be sure that the clutch wheel is stopped before shifting gears, to prevent raking or stripping them. Don't get excited if the engine doesn't start at once. Be sure to keep every piece of the tractor oiled, and that your oil pump is working right. Make sure that you are getting plenty of fuel in the cylinder, and that you have a good spark. Don't engage the clutch too rapidly for it is hard on the engine and it might cause some tractors to turn backward.

Arthur N. Easter.

Saffordville, Kan.

The average American consumes 90 pounds of sugar annually.

\$72. is the new low price of

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The Standard Work Harness of America


If your dealer does not have it, write to us. Send today for Illustrated Free Book

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230 Court Ave. Des Moines, Iowa



YOUR paper stops when the paid-up period ends. What does your address label say this week?

The 4 VITAL FACTORS of Cheapest Tractor Power



Cheap Power Is No Longer a Problem

In the OilPull the problem of producing cheapest power for farm work has been solved, by combining the Four Vital Factors. These are: (1) Lowest Fuel Cost. (2) Lowest Upkeep Expense. (3) Longest Life. (4) Reasonable Price.

As proof, the OilPull has the following records to its credit: (1) Holder of all National Fuel Economy records for 10 years. (2) Investigations show upkeep cost of only 50% of the Government's national average. (3) OilPulls average 10 years and more of service. (4) Reasonable Price.

In no other tractor will you find these four combined.

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"The Cheapest Farm Power"

The OilPull has always been a quality machine. It has always been a bona fide oil-burner. These features have helped it establish its wonderful record. But of greatest significance has been Triple Heat Control—a wonderful, scientific, oil-burning system now perfected and used in all OilPulls. See what it does: Gets the power out of cheap kerosene. Absolutely controls temperature of motor. Prevents freezing. Prevents overheating. Makes possible our bona fide guarantee to burn kerosene successfully, under all conditions and at all loads up to full rated brake horse power.

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There is an OilPull that will make money for you. The Advance-Rumely dealer in your section will demonstrate it to you. Meanwhile write for catalog and special booklet on Triple Heat Control.

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THE FORDSON TRACTOR MODEL of the Standard Governor is a big time and money saver for the busy farmer. Not only does it relieve the tractor in the varying stresses and strains of field work, but it is invaluable when applied to belt work, in which field easily half of the usefulness of the tractor lies. The Standard is efficient, economical, very easy to install, and is positively guaranteed.

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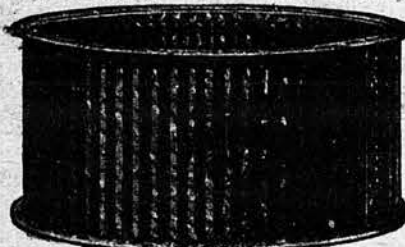
The Standard Governor eliminates high repair costs, saves fuel, greatly increases life of truck. Work of installation requires less than one hour. Send for literature, or call at nearest dealer. Price, complete, ready to install, \$25.00.

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CAPPER'S FARMER, Topeka, Kan.

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A Ford Sedan—and
A Ford Touring Car

Completely Equipped with
Electric Lights and Starter.
Freight and War Tax Paid.

I have already given
35 Autos—and

Now
Here are
Two
More!
Why Not
Get One?



Write Me Quick If You Want One of These Cars—Every Minute Counts

June 30th, I am going to give a new Ford Sedan and a Ford Touring Car to two people who are prompt and energetic in following my instructions. If you live in the country or in a small town you will have an opportunity of owning one of these splendid cars by answering this ad today. I will send you full instructions telling all about it. Send no money.

**Over 2,000 Dollars Will Be Given
In Grand Prizes and Cash Rewards**

Ford Sedan—1st Grand Prize.
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and 22 other grand prizes, such as Gold Watches, Diamond Rings, Silverware, Bicycles, etc., besides many special prizes and liberal cash rewards. Prizes duplicated in case of tie.

Every one taking an active part in this contest will be well paid in cash, whether or not he wins one of the Ford or one of the other Grand Prizes. Just your name and address with five or more faces correctly marked in the picture below, starts everything. Act quick. Mail me the coupon today sure.



FIND FIVE FACES—GET 1,000 VOTES

In the picture are a number of hidden faces. See how many you can find. Some are looking right at you, some turned sideways. You will find them upside down and every way. Mark each face you find with a pencil, write your name and address plainly on the lines below, clip out this coupon and mail to me now. If you find as many as five of the hidden faces I will enter you in this contest and credit you with 1,000 votes. Send me this coupon today SURE.

D. W. BEACH, Contest Manager.

FARM LIFE, Dept. 894, Spencer, Indiana.

Dear Sir:—Here is my solution of the picture. If correct, enter me in your Grand Prize subscription contest with a credit of 1,000 votes. I want one of these cars—send me full particulars.

Name
Address

Farm Organization News

BY RURAL CORRESPONDENTS

MORE than 150 bulletins regarding poultry have been given out to farmers in Lyon County thru the county farm bureau, according to Cecil L. McFadden, county agent. In one week recently Mrs. William Schureman, Americus; C. J. Dolle, Emporia; J. W. Wilson, Emporia; Willard Colwell, Emporia; Mrs. R. S. Spiker, Emporia; Preston P. Macy, Emporia and Paul Kuhlman, Olpe, called at the county farm bureau office in person to get bulletins.

Wireless Reports for Wilson County

The Wilson County Farm Bureau is the first in Kansas to install the wireless telephone market reporting service. Morris and Greenwood counties have a wireless market service but receive the reports by telegraph. The Wilson County Farm Bureau buys the service from the telephone company in Fredonia, which receives the messages from the Western Radio Company of Kansas City, Mo. The bureau plans to sell the service to daily newspapers of Wilson county at cost.

Practically every farm bureau office in the state is ready to install this service as soon as the central distributing set at the Kansas State Agricultural College is ready to distribute the reports. This probably will be some time during the summer.

State Lamb Contest Planned

A lamb contest will be put on as a part of the boys and girls club work at Topeka Free Fair this year, according to Joe M. Goodwin, Jefferson county agent. Mr. Goodwin says the lambs must be weathers dropped after January 1. Prizes will be offered for single wether lambs and for five wether lambs from one county. Mr. Goodwin is making an effort to get a number of boys and girls in that county interested in the project. If enough interest is shown he will put on demonstrations in blocking and showing the lambs. He is suggesting that boys and girls who enter the contest feed more than one lamb since there is probability that several will thrive better than one lamb handled alone.

Westphalia Has a Shipping Association

A meeting of the Westphalia Livestock Shipping Association was held recently with 45 of the 60 members present. Mr. Foster says the association has shipped nine cars of livestock since it was organized last November. The average cost of shipping has been 50 cents a hundredweight. G. W. Smith, manager, stated that farmers were getting within 48 to 55 cents of Kansas City market quotations which is much better than can be expected if stock is sold to local shippers. The following officers were elected: L. B. Young, president and director; J. E. Ellis, secretary-treasurer; Joe Selanders, director; H. H. Bennie, director; Henry Lampe, director; H. A. Ayers, director; Irwin Ulsen, director; Orville Reinelt, director and G. W. Smith, manager.

Lyon Farmers To Keep Accounts

More than 60 farm account books have been distributed in Lyon county since the first of the year by Cecil L. McFadden, county agent. Mr. McFadden says that those who have called for the farm account books during the last week are, Fred Sickler, Emporia; William Schureman, Americus; Ted Lumley, Emporia; J. L. Stevenson, Plymouth; Paul Kuhlman, Olpe; Walter H. Kirchoff, Emporia; C. C. Anderson, Americus; Preston P. Macy,

Emporia; John Whittleton, Emporia; C. A. Anderson, Emporia; Frank Lister, Olpe, and Mrs. Ada B. Nelson, Americus.

More Poultry for Pratt

With the coming of the warm spring days there has been a big demand for plans for chicken houses and brooders, at the Pratt County Farm Bureau office. According to V. S. Crippen, county agent during the winter so many of the farmers have added a flock of chickens to their stock or else have so enlarged their flocks that the farm bureau is kept busy giving out plans for better poultry buildings. Mr. Crippen says that many farmers are planning to build poultry houses next summer and that there is greater interest in the poultry industry than ever before. R. T. Hamilton, living south of Pratt, built a chicken house last fall which stood him in good stead during the recent snows. From the eggs he received during the winter the house was paid for. During the bad weather recently he accumulated eggs until he had 150 dozen on hand when the roads cleared up so he could get to market.

Leavenworth Tries Out Kanota Oats

Eleven fields of Kanota oats have been sown in Leavenworth county this year, according to I. N. Chapman, county agent. Mr. Chapman succeeded in getting 223 bushels of the oats from L. C. Swihart, Lovewell, president of the Jewell County Farm Bureau. Mr. Chapman says 350 bushels were ordered but that he was able to get only the 223 bushels. Those who sowed the oats are: B. E. Bedford, George Robb, William Deeter, A. H. Stolte, John Farrell, William Leak, Clarence Beine, William Adams, John Hund, Walter Gable and the U. S. Disciplinary Barracks.

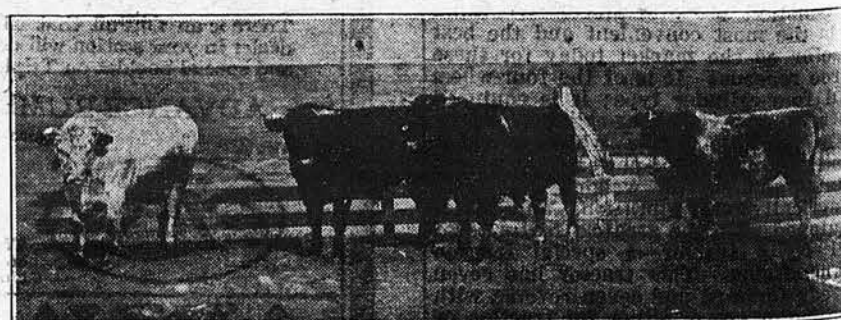
Another Booster for Soybeans

A. W. Foster, Anderson county agent, is boosting soybeans. He says they have been grown in Anderson county for several years but the acreage is increasing and they have proved a success, particularly as a silage crop with corn and kafir. Mr. Foster reports that H. C. Ferguson of that county believes soybeans the best crop he has ever grown when drilled with corn for the silo. One value of soybeans, according to Mr. Foster, is that they will thrive on soils that are too acid to grow Red clover successfully.

Better Livestock for Harvey

The Harvey County Farm Bureau has to its credit considerable work in the improvement of livestock conditions in Harvey county the last year. According to A. B. Kimball, county agent a livestock improvement association was formed, and thru its efforts 450 head of purebred cattle and hogs have been sold. Most of these remain in Harvey county.

Dairy herds to the number of 13, containing 293 individuals, were tested and placed among the accredited herds as free of tuberculosis. More than 1,000 hogs were vaccinated and hog cholera was effectually barred from the county. The wool growers of the county pooled and sold to advantage 22,838 pounds of wool. A cow testing association was formed and is being maintained. Mr. Kimball says that the work of the better bulls contest has been taken up this year and that the work accomplished last year in the several lines of endeavor will be continued.



Kansas Farmers are Planning to Market More of Their Crops Than the Livestock Route, and Thereby Increase Their Profits Largely

Middle West Plains News

BY EARLE H. WHITMAN

CULLING non-producing hens is a sure way to increased profits from the flock, according to the experience of Mrs. Abbie Sidebottom of Pawnee county, Kansas. This poultry raiser has used the Hogan method of culling on her flock of White Plymouth Rocks during the last three years. She markets the culls and puts in a pen the high-producing hens, with cockerels from trapped stock of more than 200-egg production. Only eggs from this pen are used for hatching.

Results show that Mrs. Sidebottom's methods are successful. In 1920, with an average of 100 hens, she gathered 8,474 eggs; in 1921 with an average of 125 hens, 16,944 eggs. Nearly half of the eggs laid in 1921 were produced during the winter months, with a resulting higher profit. In January, this year, 2,552 eggs were laid—more than twice as many as in January, 1921, with only a few more hens in the flock. The production for February was more than 100 eggs a day, some late pullets having begun to lay by that time.

Reno County Cows Above Average

The 166 cows in the herds of the Reno county cow testing association during 1921 showed a total production of 1,162,137 pounds of milk and 48,863 pounds of butterfat for the 12 months, or an average for each cow of 6,984 pounds of milk and 293.6 pounds of butterfat. This is one of the highest production records made by any Kansas county, according to C. R. Gearhart, dairy specialist of the Kansas State Agricultural College. The state average in all associations last year was 6,068 pounds of milk and 227.4 pounds of butterfat.

The records of the Reno county association show that the value of the dairy products from cows on test during 1921 was \$41,489.39, and the feed cost \$12,204.44. Dairymen feel that the dairy show of last year did much for the industry in Reno county. Another show is being planned for May 4 and 5.

Money from Cows and Hens

The trade territory of Greensburg, Kiowa county, Kansas, was the source of nearly \$50,000 worth of dairy and poultry products during 1921. Railway shipping figures show how the products were divided as to class and value: Poultry, 106,880 pounds at 20 cents a pound average, \$21,376; eggs, 55,050 dozen at 25 cents average, \$13,762.50; cream, 1,940 cans at \$7.17 average, \$13,909.80; butter, 4,564 pounds at 15 cents average, \$684.60. Total, \$49,732.90. In addition to these railway shipments, thousands of pounds of turkeys and other poultry, and many dozens of eggs were hauled out of Greensburg in trucks.

Certified Flocks for Ford County

Prospects are excellent for a number of certified flocks of poultry in Ford county, Kansas. Harry C. Baird, county agent, is organizing a county poultry association and about 30 farmers have made application for the inspection which is necessary before a flock may be placed in the certified class. Flocks which will measure up to the standard are eligible to be so certified and placed on the state list. Owners of such flocks agree to save only breeding stock which will come up to the standard. They also will keep daily egg records and cull every year to increase egg production.

To Increase Legume Yields

Legumes—alfalfa, clovers, cowpeas, soybeans, peanuts—are valuable because they contain larger percentages of protein than other forage crops. Protein is a necessary constituent of feedstuffs because of the nitrogen which it contains. Sulfur is one of the elements necessary in the making of protein by growing legumes.

If soil conditions are right, legumes get from the air a large portion of the nitrogen which contributes to their growth. The nitrogen of the air is changed into the form which the plants can use, thru the activity of bacteria which develop nodules on the roots of

legumes. These bacteria cannot live and thrive if the soil is deficient in lime. Some soils are not sour but contain very little lime and legumes do not thrive on them. Bacteria cannot help the growth of the plants.

If you have not had much luck in growing legumes, many things may be the matter. Among these things is a deficiency of lime and sulfur in the soil. It is easy to determine if your soil needs lime and sulfur. Gypsum, sometimes called land plaster, supplies both of these elements. It cannot possibly do any harm and may do a lot of good. Give part of the land where you are trying to grow legumes a dose of finely ground gypsum and watch results. You can easily tell whether it will pay to doctor the whole field.

Co-operation and the Retailer

From the Inland Merchant

Picture, if you can all of the manufacturing establishments of the entire country—there are approximately 600,000 of them. Then, picture all of the American farms (manufacturers of foodstuffs)—there are 6 million of them. The men who own, operate and work on these farms, representing America's greatest occupation, are just beginning to prove to the rest of the country the power of organization.

At the present time the producer gets 37 cents out of the consumer's \$1, so we are told by James R. Howard, president of the American Farm Bureau Federation. One of the aims of this Bureau is to decrease this margin of trade in order to put

the business of farming on a safer basis.

The organization is working in many directions to accomplish this aim but the method which comes closest home to the general store merchant is that of co-operative marketing. Mr. Howard, in an address before the New York Council of the American Advertising Agencies explained that in the country of Denmark, co-operative marketing had made it possible for the producer to get 72 cents of the consumer's dollar. The ratio in that country is probably as much too high as it is too low in this country. If the aims of the organization are reached it is likely that a happy medium between the two will be the result.

In any case co-operative marketing is looming in the near future and it is up to the merchant to recognize the signs of the times. The narrow-minded merchant is likely to view this movement with alarm, for it is likely that with co-operative selling of farm products will come co-operative buying of farm needs. But here again, the call is for breadth of vision.

The farmers, as a class, represent the largest single market for products and whether or not co-operative marketing becomes a country-wide practice there will always be plenty of business for you, but when it comes to the amount of money the farmer will have in his pocket to spend, the odds are in favor of co-operative marketing. Anything that will help the farmers as a whole will directly help you build a greater store to fill the growing demands.

Mrs. Carlia S. Westcott, of Seattle, Wash., has the distinction of being the first American woman to be granted a license to work as a marine engineer.

The rent of a room in one of the first class hotels in Moscow, Russia, is 350,000 rubles a day.

Haying Time Cut in Half

Save time, labor and money by putting up this year's hay crop easily and quickly with

The Jayhawk

Stacker and Sweep Rakes

"Two boys and myself can put up more hay with the Jayhawk Stacker than 40 Mexicans," says A. Barter, Mercedes, Texas.

Light—easy to operate—a boy can run it. No ropes or pulleys—entirely automatic. Wood or steel. Elevates full load of sweep rake 20 to 25 feet and puts it exactly where wanted. Saves hay, teams and days. Prevents loss of crop after cutting.

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25 CAL. \$12.95 Less than half pre-war prices.

32 Cal. \$13.95. Shoots COLTS and all standard cartridges. Convenient to carry—lies flat in the pocket—perfect safety device. All our guns brand new direct from factory, absolutely perfect.

25 Cal. BLUE STEEL ARMY AUTOMATIC — 32 Cal. \$10.45. OUR OTHER BIG SPECIALS: Vest Pocket Pistol—\$5.95. World's Famous Luger 30 cal. \$19.95. Hand Ejector Revolver swing out cylinder 32 cal. \$16.95. Officers automatic blue steel pocket squeezer grip 3 safeties, 25 cal. \$10.50.

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Send for Free Booklet—a valuable explanation of the relation of piston rings to gas engine operation. Address Dept. A. C.

McQuay-Norris Manufacturing Co. St. Louis, U. S. A.

LEAK-PROOF—an exclusive two-piece design, preventing loss of gas and compression. Gives equal pressure at all points on cylinder walls. For all piston grooves except top, which should have Superoyl. Each ring packed in a parchment container. Price per ring—

\$1.25

In Canada, \$1.50



Superoyl—Keeps lubricating oil out of combustion chamber. Collects excess oil on each down stroke of piston and empties on each up stroke, which ordinary grooved rings cannot do. Each ring packed in a parchment container. Price per ring—

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In Canada, 50c



Snap Rings—of the highest grade. Raised above the average by McQuay-Norris manufacturing methods. Their use insures all the satisfaction possible for you to get from a plain snap ring. They are packed twelve rings to the carton and rolled in waxed paper.

And Snap Rings of the highest grade



Made of Electric Iron

the right way to stew prunes the right way

It's worth
repeating and remembering

More prunes are used *stewed* than in any other form—yet many women have not run across the right recipe. And it makes all the flavor-difference in the world! Even if you have a "pet" way of stewing prunes—try this tested method worked out by the wives of our growers:

Soak the prunes overnight if possible—but if not, for several hours at least. Cook *slowly* until tender in the water in which they were soaked. Use plenty of water so the fruit will be "loose." Be sure you don't cook them too long lest they become too soft. Flavor with inch stick of cinnamon or lemon or orange juice. Sugar is not required, as slow cooking brings out the rich fruit sugar in the prunes. If sugar is added, however, put it in *after* the prunes are cooked but while still hot so the sugar will dissolve.

Send for recipe folder

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72 page illustrated book; tells
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SWEENEY AUTO SCHOOL Runsey is grabbed
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Elevate, clean and grade your grain in one operation. A powerful fan does all the work. Only one moving part. No buckets, chains or gears to get out of order. No inside scooping necessary. One man can move it. Assembled or taken down in five minutes. Costs only half as much as old style elevators. Pays for itself in a few days.
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STUART'S PLAPAO-PADS
are different from the truss, being
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Save Money
No holes to dig; no
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Prices now down to pre-
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Our Balanced
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makes every post drive straight—
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to soil with bull dog grip. Send for **FREE** Post
Folder describing six exclusive Can't-Sag features.
ROWE MFG. CO. 904 Holton St., Galesburg, Ill.

"Pot Luck" Dinners Favored

The Sunny Hill Thimble Club of Atchison county has, ever since its organization 10 years ago, had from two to four all day meetings during the short days of the winter. At these times it was customary for the secretary to pass slips with the words pie, cake, salad, beans, chicken, and so forth, one to each member, and that was to be the part of the dinner she was to bring.

This year the club has had two "pot luck" dinners, that is, each member brings what she wishes. The dinners



Schurman Home in Atchison County

have been a great improvement over the former meals. At a meeting held recently with Mrs. Schurman, 60 women were present. The dinner table was filled with chicken, meat loaf, roast beef, wieners, four kinds of salad, oyster and plain dressing, slaw, beans, turnips, cranberries, 4 cakes, ginger bread, 15 pies, fruit salad and coffee.

Each member puts a plate, cup, fork and spoon into her basket in order to relieve the hostess of as much work as possible. Mrs. C. M. Atchison County.

Atkins Had Only \$18 to Start

(Continued from Page 3)

potato ground up for every 100 chicks.

The pullets and hens in the laying house are fed a scratch feed of oats in the morning and corn at night. Plenty of clean litter is kept on the floor to afford the birds necessary exercise in scratching for their feed. A dry mash, the same composition as that fed the chicks with the exception of the concentrated buttermilk, is kept before the hens all the time. Once a day the hens receive a feeding of sprouted oats or cabbage. They are given all the buttermilk they will drink.

"Next year," asserted Mr. Atkins, "I am going to add a second deck to my incubator, increasing its capacity to 3,200 eggs. I am hatching only for myself now, but with this addition I will be able to hatch for other folks, and supply the demand for baby chicks." To the feed house will be added a second story to provide room for the winter's supply of feed and bedding. The second story will hold the tanks for the pressure water system that is going to be installed, and on the ground floor will be put the feed grinders. Mr. Atkins is making arrangements to put in a system of feed and litter carriers so that no matter how much he expands his business, one man will be able to do the work. Power for feed grinders, green food cutter, and spray, will be supplied by a gasoline engine.

Along with his poultry farming Mr. Atkins has developed his orchard, working out an ideal system. The poultry supplies fertilizer for the orchard, while the orchard provides a good, shady range for the poultry. The hens and pullets rid the place of many bugs and insects, and the spray Mr. Atkins bought serves the double purpose of spraying the orchard and disinfecting the poultry houses.

Most of the surplus poultry and eggs have been marketed locally, but some have been shipped to other states. "New York is an exclusive white egg market," said Mr. Atkins, "and I intend to ship eggs there as I can get several dollars more a case there than at home." Mr. Atkins is a strong supporter of the co-operative marketing plan, and is confident that marketing eggs in that way will be practicable, when more poultrymen produce an exclusive egg for an exclusive market.

"Two things responsible for our success," concluded Mr. Atkins, "are the Kansas State Agricultural College extension department and the county agent. We started in with no knowledge but they pulled us out of that dark hole and taught us the right methods of poultry farming."

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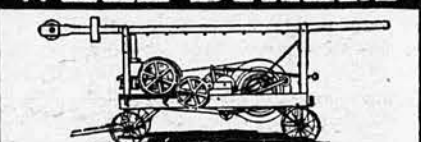
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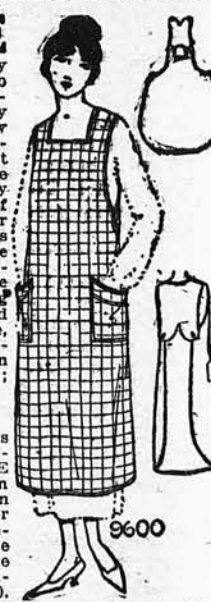
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Capper Pig Club News

Start Right, Work Right and You'll Succeed

BY RAYMOND H. GILKESON
Assistant Club Manager

CAREFUL selection of a sow to enter in the contest, and following proper methods of feeding and caring for the sow and litter are responsible for about 90 per cent of the success Capper Pig Club members have in making the contest work profitable—the other 10 per cent is luck.

You'll admit that it's good luck when a club member finds a large litter of thrifty pigs at farrowing time, but from then on it is up to him to work out his own success. Bad luck might step in and knock the profit in the head as it has done for George Nesser of Doniphan county. George lost all his pigs, but that doesn't prove that he isn't a success at hog raising, it's just one of the trials of the game, and George is working out plans to start all over again. That is honest work and it will win. If George Nesser or any other club member under the same circumstances had given up and taken the "I can't" attitude, he wouldn't have been honest with himself. Do you remember the saying, "If at first you don't succeed, try, try again?" Well, that's the proper way to look at raising hogs.

Protect Your Profit

Perhaps you don't quite see the value of the mutual insurance plan. Supposing at farrowing time you lost your sow and pigs. That has happened to Melba Williamson of Cloud county and Jean Austin of Barber. They borrowed money to buy their sows, as the majority of club members did. In losing their pigs the chance of making a profit in the contest seemingly was eliminated, and by losing their sows they were left in debt—worse off than before they heard of the club. But is that what they say? Indeed it is not. The mutual insurance takes care of their notes, revives their pep and ambition, and makes them determined to start over and win. It's worth while to have insurance, after all, isn't it? You are safe if you have done your part.

Contest Litters are Good

A snow bound letter from Sumner county brings the good news that Herbert Wagner saved four female and two male pigs out of a litter of seven. That is sufficient proof that Herbert is on the job, when you stop to think of the storms that have landed in his part of the state. Letters bringing news of good luck at farrowing time are coming in continually, and you may be sure that makes a little broader the springtime smiles the club managers are wearing. Robert Hawkins of Chase county reports that six pigs were added to the livestock family at their place just before Sunday School on a recent Sunday. He adds that he is sure of having a good market for them, as he already has had several attractive offers. Picking up another letter written by Louis Tredway I am informed that Neosho county is up-to-date in club happenings. Louis writes that Glen Cox has eight pigs left and Ross Whitworth seven, while Louis is looking for a record litter from his Duroc sow.

The Fight Starts Soon

Just a few more days until all sows must be entered in the contest and record keeping begun. Every member who has entered his sow should have one of the new record books that we are using for the first time this year. If you haven't received yours, write for it. Every boy in the Capper Pig Club should give very careful attention to his record keeping all thru the contest so that when the final reports of the year's work are handed to the judges there will be no questions to ask. Accuracy, neatness and promptness are essential to success in any business.

Plan Your Pep Work

Old members who have come back in the club for this year's work are eager for the pep work to start. Eugene Smith of Osage county writes that he

and his club mates are going to have a get-acquainted meeting March 25, and plan their line of fighting for the pep contest. It doesn't take old members in a club tho, to hit a winning stride at the start. Clubs having all new members will be interested to know that the county winning the pep trophy last year was made up entirely of new members. Keep club pep at the boiling point.

More Counties are Full

Since the last report of counties having a complete membership was printed we have added five more to our list—Lincoln; Linn, Lyon, Marshall and Morris. More members would be completely lined up if it had not been for the severe storms over the state. James Ash of Sumner county reports that he would have had his enrollment papers in sooner if it hadn't been for rains washing out a bridge so the mail man couldn't get out his way. He has a bright red Duroc Jersey gilt and he says, "Between us—the sow and me—we are out to win." That seems to be fair warning, so everyone knows now that James will not quit fighting until the contest is over. I'm sure there isn't a member in the club who lacks that spirit. Everyone is out to win, and everyone has an equal chance.

I say all members have an equal start, because the contest sows all are of the best quality. The boys who already didn't have sows bought them and when a Capper Pig Club member goes to a Kansas breeder to buy a sow he is sure to get the very best. Kansas breeders are so eager to see the boys get a good start that aside from guaranteeing satisfaction to club members who purchase stock from them, they offer prizes to go to winners in the contest. With the strong support the club members have, there should be no quitters or failures.

Clears \$800 on 5 Acres

More than \$800 was cleared by A. A. Glenn, near Wichita, on a 5-acre orchard last season. The trees are 18 years old but never had any care until 1921. Last year, Glenn, co-operating with the extension department of the agricultural college, cleaned up the orchard and pruned and sprayed the trees, keeping careful accounts of all his costs.

His receipts were \$1,259.87. The cost of pruning and spraying and of picking and marketing the apples was \$451.70, leaving him a profit of \$808.17 or \$161.63 an acre.

"If many of the farmers of Kansas who have 5 or 10 acres of neglected apple orchard would clean up the trees and take care of them, they would have an excellent chance of making as much profit from these few acres as they are now making from 160 acres of land planted to grain crops.

Exempt These from Taxation

One milk cow, one brood sow, and 2 dozen hens and a rooster, and all of their products and their offspring until more than a year old, owned by all families living on an acre or more of land, should be exempt from taxation of any kind, and not subject to foreclosure sale in any manner for any purpose. Mortgages given on this minimum of family-feeding livestock, vital to the welfare of all farm families, should be absolutely void. Legal title to this personal property should automatically be vested in the woman on the farm who has the job of assembling nourishing food for the children. The payment of taxes and the collection of debts should not be permitted to interfere with the possibility of her doing that.

Our Best Three Offers

One old subscriber and one new subscriber, if sent together, can get The Kansas Farmer and Mail and Breeze one year for \$1.50. A club of three yearly subscriptions, if sent together, all for \$2; or one three-year subscription, \$2.—Advertisement.

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The average decrease in the price of Goodyear Tires since the year 1910 is more than sixty per cent

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It is a favorite practice nowadays to refer more or less sagely to the good values of "before the war."

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If you are a veteran Goodyear user you have probably noticed that our tires today give more than twice the mileage they did ten years ago.

If you have compared the prices of then and now you have seen that

present Goodyear prices are less than half of what they were.

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SEND NO MONEY

I have made arrangements with the manufacturers of these marbles to take practically their entire output and I want every boy reader of this paper to have a set. Just send me your name and address and I will send you 4 packages of high-grade, post cards to give away free on my big, liberal 25c offer. An hour of easy work brings you 25 Agates. M. BERRY, Marble Dept, 11, Topeka, Kansas

Our Kansas Farm Homes.

Mrs. Ida Migliario
—EDITOR—

The House as a Workshop

The house, as a workshop, will be more convenient: If the fuel, water, food supplies and the kitchen equipment are near to the places where needed—if the fuel and water do not need to be carried into the house by the kitchen worker, and the waste water, garbage and the ashes do not need to be carried away by her—if, then, there is running water in the house, a convenient form of garbage receptacle, and ash cans, or pits into which ashes will fall from the fireplace and the range automatically—if the house is provided with modern heating and lighting plants, vacuum

Pippa

THE year's at the spring,
The day's at the morn;
Morning's at seven;
The hillside's dew pearled;
The lark's on the wing;
The snail's on the thorn;
God's in His heaven—
All's right with the world!
—Robert Browning.

cleaners, modern bathing facilities, lavatories and water closets—if special provisions are made for sewing, washing, drying, ironing and storing of clothing—if the house is simple in plan and no larger than necessary—if it is provided with non-absorbent wall and floor surfaces that are smooth and easy to clean—if the lines of travel within the house are short—if the men can enter the dining room and sleeping rooms without having to pass thru others—if the kitchen, in particular is not a thoro fare to other rooms.

Ingenuity Devises a Desk

A school teacher found the ordinary study table in her room wholly inadequate to her needs. Her landlady helped her to arrange a very satisfactory make-shift. A small oak dresser of proper height with two drawers was discovered in the attic, and turned into a writing desk.

The mirror was removed by taking out the screws which held the supporting pieces on the back. The desk was placed in her room in a good light and an adjustable typewriter shelf was fastened to one end.

A big blotting pad was made out of the thin wooden cover of an apple box. It was covered on the right side with dull green blotting paper. Pieces of heavy 2-inch Persian galloon were fastened across the corners with tiny tacks on the wrong side. The wrong side was finished with a piece of harmonizing cretonne, all edges being carefully hemmed in with paste before the cloth was applied. The pad was placed under a heavy weight for several days until this was thoroly and evenly dried.

An old English colored print was hung above the desk. A small Japanese vase made an attractive holder for pens and pencils. The individual desk is a convenience for every member of the home. The average person finds a continued joy in his own desk. And if it be made by his own hands and placed in his room, it has an additional value.

Florence L. Snow.

"I'm Glad I'm Living Now"

Every now and then I hear someone say: "Folks aren't so happy now as they used to be. Think what good times our grandmothers had in the days when no one was rushed!"

I am one who believes that the old times were no happier than the present. When we think of our childhood we remember the rosy days and forget the blue ones. Then we say childhood is the happy time when it really had tragedies if we but remember them.

Conveniences for working, traveling—well, living—were scarce in our grandmothers' days. There were no kitchen cabinets, no automobiles and the candle failed to give a steady light. Women were old by the time they were in the late thirties, if not earlier. I think it was in those days that the saying "Woman's work is never done," originated. With the laundry-work and no machine, the spinning and weaving, all the sewing and no sewing machine and much work in the fields as well, who could keep all the work done?

Even the schools were not any too good. High schools and colleges were few in number. So taking all into consideration, I am glad I'm living now. Of course business conditions for farmers haven't been very bright the last year, but even so, most of us have more comfort than our grandmothers ever dreamed of having.

Mrs. F. K. B.

Cloud County.

Mother is Landscape Artist

I was annoyed greatly by the view from my living room the first year we lived on our farm. Instead of being able to view long stretches of beautiful fields and woods, the barnyard loomed up on one side. Whenever I sat by the front windows or on the porch, I tried to look straight ahead or to one side where there was a small woods.

After living in the house a year, I began to wonder how I could change

in August and September is one of my favorites and the bridal wreath with its tiny clusters of pink or white May-time flowers makes a graceful 5-foot bush. The Japanese barberry with its bright berries planted in combination with other shrubs is most attractive. This shrubbery makes my yard so attractive that I am glad no landscape artist arranged the farm buildings, for he might not have thought of this "beautiful screen."

Mrs. F. H. B.

Cherokee County.

Tinkering Around Furniture

Furniture, if it has a greasy film on it, may be washed with lukewarm water to a pint of which 1 tablespoon of kerosene has been added. Only wash a small part at a time and rub at once with dry cloths.

To polish furniture, rub with a mixture of 2 parts boiled linseed oil and 1 part turpentine, being careful to rub this in thoroly with the grain of the wood, and then remove any surplus oil with a woolen cloth. If there are scratches on the furniture stain by applying a small amount of water color for wood which matches the finish of the furniture. Often a good furniture polish will contain enough dye or stain to cover a scratch. Boiled linseed oil if rubbed in will darken the wood to some extent.

Scratches on mahogany may be retouched with a little permanganate of potash (1 ounce of potassium perman-

each section of the gate-leg table with ease. Such dusters are chemically treated so that the dust is easily collected and held, and are as different from the old feather duster of grandmother's day as can be imagined.

Mitchell County.

I. E. M.

"Teacherages" for Teachers

A teacher's efficiency can be increased and her ability to develop into a community leader encouraged by permitting her to live in a home of her own. Every community that has tried this plan has proved it to be true.

Mrs. Josephine Corliss Preston, state superintendent of public instruction in the state of Washington is a pioneer in the "teacherage movement." Washington built her first teacher's home on the school house lawn in 1907. Today there are 354 in the state.

South Dakota, Minnesota and many other prairie states have built homes for their teachers in the last few years.

There are several counties in Kansas that pride themselves in having made this provision for the teacher.

Lathyrus a Pretty Cut Flower

Lovers of sweet peas may have a hardy perennial vine that will give them blooms almost equal in beauty and lacking only in fragrance to the ordinary sweet pea, if they will plant the lathyrus, or perennial pea.

I saw the first row of these vines in a section of the lawn of a parsonage grounds, and I was surprised at their beauty and value as a cut flower. For weeks the heavy growth of vine was covered with deep pink blooms in sprays of four or more. The first year, the place was vacant most of the summer, and the children picked the blooms regularly. They were very large and had long stems.

The next year they started out in the same way, but the flowers were not picked and seed pods soon covered the vines. While they continued to bloom for a long time, the blooms were smaller and the stems shorter.

Wyandotte County. Bertha Alzada.

"Family" Likes No Stir Cake

I am sending you a recipe for a cake of which my family is very fond. Other busy readers of the Farm Home Department will like it, too, I believe, because it requires only a few minutes to mix and is economical. It will keep fresh indefinitely.

No Stir Cake

1 egg	1 cup raisins
1/2 cup molasses	1 teaspoon vanilla
1 cup sugar	2 tablespoons cocoa
1/2 cup shortening	Pinch salt
1 cup strong coffee	1/2 teaspoon cloves
1 teaspoon soda—in coffee	1 teaspoon cinnamon
2 cups flour	1 teaspoon nutmeg

Sift the dry ingredients together, add remaining ingredients and mix well. Bake as a loaf cake in a medium oven 1 hour. I sometimes cover the cake with white, cooked frosting, but we like it just as well without.

Mrs. Ida E. Miller.

Shawnee County.

Keeps the Thread Clean

Vaseline or small ointment jars, washed clean, make good receptacles for spools of sewing thread.

Punch a small nail hole in the tin top of the jars and draw the thread thru. A needleful of thread may be taken without unscrewing the top of the jar. Jars may be used in this way to hold twine, also. The thread or twine is kept clean, and is more convenient than if kept in the usual way.

Spain has more blind people than any other European nation.

"Freshening Up" Bedding

BY MRS. EDNA WILLIAMSON



AS SOON as warm days appear I begin to rid my bedding of its winter collection of soot and dust. Since I learned to use washable protectors across the ends of my comfortables, quilts and blankets, I find them less difficult to keep clean. But even so I want to thoroly renovate my bedding every spring and fall.

I air the bedding a whole day, spreading it over the railing of the upper porch so it can have a thoro sunshine bath. I brush the lint and dust from the tufts and bound edges with a stiff whisk broom. Stains are removed from the mattress with dry laundry starch moistened with enough soap to make a thick paste. This is spread over the stain and permitted to dry.

the view and I knew it was impossible, considering the expense, to move either the barn or the house. So I decided to screen the unsightly spot by planting shrubs.

Now everyone who comes to our home when these shrubs are in leaf or bloom remarks about their beauty. I have several lilac bushes. There are the common purple and white varieties with their charming color contrasts when in bloom and then a few tall Japanese tree lilacs. They have large white clusters of flowers that come into bloom one month after the other kinds are gone.

Then I have a few mock orange, Philadelphia, which grow about 7 feet high. Their likeness to orange blossoms is great. Nothing is more attractive than my old-fashioned snowball bush when in full bloom.

The rose of Sharon which flowers

A whisk broom is used for brushing the paste from the ticking. If the stain does not disappear entirely I put on another application. As a finishing touch I sponge the spot with ammonia water. Several times during the day I turn the mattress over so that both sides will be thoroly aired. Before taking it into the house I beat it with a carpet beater to make the filling light.

While the bedding is out doors I clean the bedsteads and springs. After washing the bed springs with clean water and drying them, I go over every coil with an oiled cloth. This prevents rusting. Metal beds are freshened with gilt or white enamel according to the finish. Wooden beds are wiped with a damp cloth and given a wax finish.

ganate crystals to 1 quart of water). If the wood has been dented so that it shows badly and the wood is not veneered, soft, thin blotting paper wet in hot water may be placed over the spot and heat gently applied with a hot iron. White spots may be removed by applying linseed or sweet oil, allowing it to stand for an hour or so, then rubbing vigorously and repeating the treatment if necessary.

Long Handled Tools are Handy

For scrubbing, there is a hand wringer with a long handle that can be attached to a pail. The mop is easily wrung out without the housewife having to bend over the bucket, or without getting the hands into water.

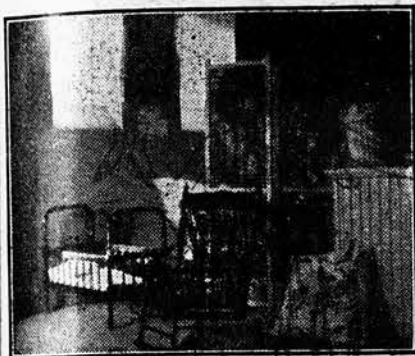
The long handled duster is a saver of strength, too. With it, the housewife is able to reach the rungs of chairs or

It's Called "Our" Rest Room

Complete and continued success of a community effort has been made possible by the enterprising women of Ottawa, Kan. These leading spirits in civic progress realized the need of a woman's rest room, and they set about to make it a reality.

They invited the co-operation of all the clubs and organizations in the town and county and thru these efforts they now have a rest room which is equaled by few places of its size.

The room is large, bright and airy, and is located on the basement floor of the court house. Rent and heat are paid by the county. Light is furnished



free of charge by the municipal light plant. The Kiwanis club pays the telephone bills and has arranged for pure drinking water. The room was furnished by private donations both of furniture and money.

Swings, rockers and cribs are there for the children, and couches for the tired business woman or shopper. Easy chairs are in abundance. There also are writing tables. Magazines and periodicals of all kinds are donated and some few good books are found on the reading table.

Town Women Enjoy Room, Too

Both farm women and town people use and enjoy the conveniences provided by this rest room. Committees from different clubs and organizations frequently meet there to transact business.

The place is made cheery and attractive by cretonne pillows and screens, and other bits of brightness such as ferns and flowers. The tea room in the alcove is particularly convenient, especially for farmers' families and young women in stores and offices who live too far away to go home for lunch. They are accorded the privilege of bringing their lunches and the use of the tea room is given free. Tea is served between the hours of 12 and 2 for which a small charge is made.

A matron is employed who looks after the comfort of guests and has full charge of the room.

The place often is filled to capacity and all speak of it as "our" rest room. Mary Boughton.

Out-Door Cooking Unnecessary

Housewives who felt that the use of huge iron boiling kettles and out-door cooking processes were necessary to the proper making of soap are finding soap making exceptionally easy and simple now.

It has been discovered that the heat generated by the chemical action between lye and cold water is sufficient to complete soap making; and it is a simple matter to weigh the necessary amount of grease, measure the proper amount of water and add the lye. The entire process may be completed on the kitchen table with an ordinary kettle of sufficient size. Mary Moreland.

Clay County Clubs Federate

Around Wakefield until a short time ago there were four rural clubs each working for itself, with no definite purpose in mind. The idea of a federated club was sown; it spread, and now we have the club on an actual working basis.

We are working thru our county agent and are affiliated with the extension department of the Kansas State Agricultural College. The constitution of the club allows for an executive committee. This committee, with the county agent, does all the securing of extension schools. It is composed of a president and three members of each club, together with the officers of the federation.

Once a year, or oftener if desired, the

federation meets for a rally. So far, we have secured three schools—a school about milk and its uses, one in home decoration and one in home nursing.

With everyone working toward making this club one of the best of its kind, I'm sure we will be able to enlarge our membership, do bigger and better things, and as a result, life will be just a wee bit more worth while for us. Mrs. Malcolm Alsop.

Clay County.

Time to Head Off the Fly

Now is the time to head off the filthy fly. Already the big buzzing insects are tumbling and crawling about sunny windows, and the smaller ones are making themselves at home among house plants. Outdoor accumulations of winter dirt are affording good breeding places for the pests, and toilets neglected because of freezing weather are beginning to be offensive. Piles of horse manure about the barn are warmer than the ground, and flies breed in this refuse. So before housecleaning proper begins is the time to head off the fly.

It will help if the stables are cleaned early, particularly the horse stables. When the ground is firm enough after the spring rains have come for the team to go on the fields to be fertilized, it is thrifty as well as cleanly to get rid of the manure. Whitewashing the stables not only makes the places more healthful for the animals, but discourages flies.

A thorough cleaning of the dooryard and scalding of the porches and walks will purify the immediate surround-

ings. In winter more or less dish water, food scraps and other matter that decays easily will find lodgment in cracks and around drains. These become ill-smelling when the first warm days appear, and draw flies unless taken care of.

Children should never be permitted to wander about the dooryard eating bread and some sweet spread. Also, pets should not be fed at the back door. A little care in teaching the children to sit still while eating so that the crumbs will not draw insects will save hours of cleaning later.

Screens Should Go Up Early

When the outside is attended to, it is time to clean and put up the screens. No matter if you do expect some cold days, get them up early and see that the wire is firm.

Last but not least, swat the first flies you see in order to prevent multiplication. If there is a baby in the house, one should be watchful so that flies do not track over his unprotected hands and face. Sticky fly paper will catch some of the pests, but a good, well directed blow will be sure.

Hilda Richmond.

Chinese Ink

India ink is the name often given to what is in reality intensely black Chinese ink. It is made from the lamp-black produced when wood-oil is slowly burned in an earthenware vessel, and the soot collected on the sides of a second jar placed above the first. This is then mixed with varnish, pork-fat, and glue.—Young Peoples.

Boards with Nails Dangerous

Throwing boards down with nails sticking from them is a dangerous practice. Barefooted children or anyone with worn, thin shoe soles may step on them. Many deaths from tetanus or lockjaw where not attended to promptly and skillfully have been the result of such carelessness.

Better be safe than sorry.

A. L. P.

Apron Pattern Free

The busy houseworker will readily appreciate our new one piece Apron Pattern as it is the most practical that can be worn and it only takes 2 yards of 36-inch material for apron, size 36. It is simple, attractive and comfortable. The pattern is cut in three sizes; 36, 40, 44 and will be given free with one new one-year subscription to Capper's Farmer at 25c. Be sure and give size you want, and mention pattern No. 9600. Address Capper's Farmer, Apron Dept. 51, Topeka, Kan.—Adv.

A Prayer

God grant that I may do the right
From dawn of day until the night,
That I may do each little thing
That comes my way and help me sing.
Help me to guard a careless tongue,
So that no heart is ever wrung,
By unkind words. And may each deed,
Relieve a fellowman in need.

God grant that I may wisely live,
And learn unselfishly to give;
May I have strength to always meet
The trials that come, and bear defeat.
And may I give the needed smile
To passers-by, and all the while
May I learn how to laugh and love,
To trust in God and look above.
—Rachel A. Garrett.

**OFFICIAL
SCORE CARD**

POINTS	WON BY
DENTIFRICE	Colgate's
Non-Gritty	Colgate's
No Drugs	Colgate's
Safe	Colgate's
Cleans Thoroughly	Colgate's
Delicious Flavor	Colgate's
Price	Colgate's

**Score 100% Won by
Colgate's**

Score Cards

YOU know the score cards used by the agricultural college people for judging poultry, livestock, or home products.

Were you—or a group of dentists—to make a score card to help select the best tooth paste for the whole family, you probably would make one like the "Dentifrice Score Card" shown here. And when you compare the various tooth pastes you, like most dentists, would give the high score to Colgate's.

COLGATE'S

Cleans Teeth the Right Way

"Washes" and Polishes—
Doesn't Scratch or Scour

Here are some of the reasons why Colgate's stands first in the choice of farm people and dentists.

Non-Gritty—Colgate's is made of fine, specially prepared chalk—no grit. The U.S. Health Service says a dentifrice should not be gritty.

No Drugs—Colgate's has no drugs or chemicals which harm mouth or gum tissues.

Safe—Colgate's is safe—no harsh grit.

Cleans—Colgate's loosens clinging particles and washes them away.

Flavor—Colgate's has a delicious flavor which makes tooth brushing a pleasure. Use Colgate's after every meal.

Container—Colgate's comes out like a ribbon—lies flat on the brush.

Price—Colgate's costs only 25c for a LARGE tube. Why pay more?

More dentists recommend Colgate's than any other dentifrice. If your store doesn't have all the Colgate products mentioned in the coupon, check those desired and mail it to us as indicated.

COLGATE & CO.,
Farm Household, Dept. 106
199 Fulton Street,
New York, N.Y.

Please send me samples of the following articles. I enclose the amount of stamps shown for each one checked.

Face Powder	6c
Baby Tale	4c
Shaving Cream	4c
Ribbon Dental Cream, Free	

Name.....
R. D. Town..... State.....
Dealer's Name.....
Address.....



Free Booklet
A Beautiful
Jell-O Book will
be sent free
to any address
upon
request

A DESSERT—to be right—should not be a heavy course. It should be light and easy to digest, and at the same time, good.

That is Jell-O. It rounds out a meal with a satisfying sweet touch that appeals to every member of the family. A pleasant dessert makes the entire meal seem "special." It is remembered for a long time.

The American Offices
and Factory of the Gen-
esee Pure Food Company
are at Le Roy, New York,
in the famous Genesee
Valley Country.

The Offices and Factory
of The Genesee Pure
Food Company of Can-
ada, Ltd., are at Bridge-
burg, Ontario, on the
Niagara River.



JELL-O
America's Most Famous Dessert

Big Doll Given

Stands
Seventeen
Inches
High



Opens
and Closes
Her Eyes
Like a
Real
Live
Baby.

Can You Solve the Dolly Puzzle?

How many funny faces can you find in the picture of the Beautiful Dolly? Some are in plain sight and others are hidden in the folds of her dress and hat. If you can find as many as eight (8) faces you have solved the Dolly Puzzle and are clever enough to do a little boosting for our paper, and can receive a darling "Betty Anne" doll, just like this one, for yourself. Only those who solve the Dolly Puzzle by marking at least eight faces with an X can receive our BIG DOLL OFFER.

I Have a Big Dolly Like This for You

By doing a little easy work after you have solved the dolly puzzle, you will receive a "Betty Anne" Doll just like this one for your very own. This is not a cloth doll to stuff, but a beautiful dolly with a real china head. She stands nearly half a yard high, and is all dressed up in a dear little silk "go-to-party" dress. You will be the proudest girl in your neighborhood with a nice sleeping dolly like this. She has big brown eyes that open and shut; real eyelashes, a peach-and-cream complexion and a little rosebud mouth. She is the handsomest and sweetest Dolly you could possibly imagine. You will just love her to death, she is so cute and pretty.

Every Little Girl Can Have One of These Big Sleeping Dolls for Her Very Own

Mark all the faces you can find. Don't give up too easily. After you have solved the puzzle, and have sent me your name, I will send you my Big Doll Offer, which will tell you how you can obtain this beautiful Dolly by showing a copy of The Rural Weekly to your friends and neighbors. Cut out dolly's picture and mail it to me without delay with the puzzle coupon below. Just as soon as your puzzle answer arrives, I will send you my Big Doll Offer.

DOLLY PUZZLE COUPON

Doll Dept., The Rural Weekly, Desk 3
94 E. 4th St., St. Paul, Minn.

I have solved the Dolly Puzzle, and am sending you my name and address for your BIG DOLL offer.

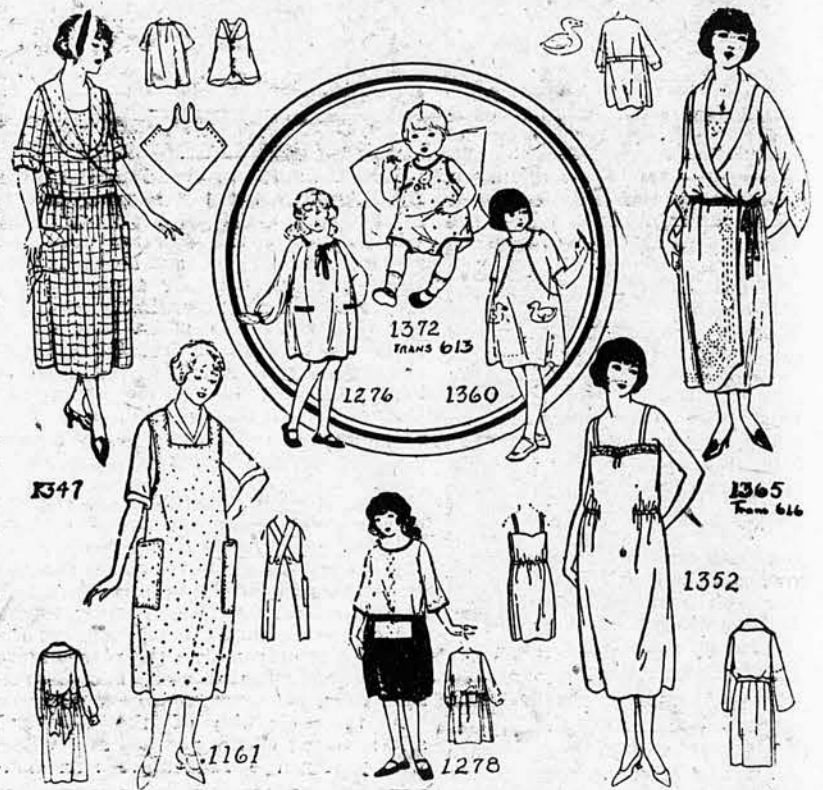
Name
Postoffice
Street
State Rural Route No.

OUR GUARANTEE We positively guarantee the "Betty Anne" Doll we are offering to be exactly as illustrated and described in this advertisement. We want you to know that we are offering a 17-inch Doll that is not over boosted, but is made up just as you see her above, with Real Curly Hair, a China Head, a Bique Body, Jointed Arms and Legs, a Trimmed Cloth Hat, Sleeping Eyes with Eyelashes, a Silk Trimmed Hand-made Dress and Shoes and Stockings. A Beautiful Doll wonderfully made.

Simply Constructed Frocks

Children's Clothes are Designed for Service

BY MRS. HELEN LEE CRAIG



1347—Woman's House Dress. Sizes 40, 42 and 44 inches bust measure. Size 36 requires 4 yards of 36-inch material. Transfer pattern No. 616 is 15 cents extra.

1276—Child's Dress. Sizes 2, 4, 6 and 8 years. Size 4 requires 1 1/2 yards of 36-inch material with 3/4 yards of binding.

1372—Child's Creeping Apron. Sizes 6 months, 1 year and 18 months. Size 1 year requires 1 yard of 27-inch material with 3/4 yards of binding. Transfer pattern No. 613 is 15 cents extra.

1360—Child's Dress. Sizes 4, 6, 8 and 10 years. Size 8 requires 1 1/2 yards of 36-inch material. Transfer pattern is included.

1365—Woman's Dress. Sizes 36, 38,

Size 36 requires 4 yards of 36-inch material. Transfer pattern No. 616 is 15 cents extra.

1161—Women's Apron. Sizes 36, 40 and 44 inches bust measure. Size 36 requires 2 1/2 yards of 32-inch material.

1278—Girls' Dress. Sizes 6, 8, 10, 12 and 14 years. Size 8 requires 1 1/2 yards of 36-inch dark material with 1 yard of 36-inch light material.

1352—Woman's and Misses' Slip. Sizes 16 years and 36, 38, 40, 42 and 44 inches bust measure. Size 36 requires 2 1/2 yards of 36-inch material. These patterns may be ordered from the Pattern Department, the Kansas Farmer and Mail and Breeze, Topeka, Kan. Price 15 cents each. Give size and number of patterns desired.—Adv.

Women's Service Corner

Send all questions to the Women's Service Editor, Kansas Farmer and Mail and Breeze, Topeka, Kan. Give name and address. No names will be printed.

Arm Rests Protect Chairs

I have a tapestry chair that is getting soiled on the arms and the head rest. How can I protect it?—Mrs. O. H.

Protectors made of file lace are attractive and practicable for a tapestry chair. These can be laundered.

Side Board Transformed

I have an old-fashioned sideboard. Is there any way I could make a modern buffet out of it?—Mrs. S. W.

Remove the mirror, take the scrolls off the doors, drawers, grotesque feet and mirror. Purchase new knobs for the drawers and doors. Take the old finish off with a varnish remover. Stain or paint the wood as desired. Choose a color that will harmonize with the finish of the woodwork or furniture in the room. Hang the mirror just above the buffet. Conceal the wires back of the glass. This is about as near as you can come at making a modern buffet out of a sideboard. I am sure you will find the effect pleasing.

When Matting Needs Cleaning

What is a good agent for cleaning matting?—Mrs. F. M.

Household ammonia and cold water are the best agents for cleaning matting.

Window Blinds of Cretonne

Can one make window blinds out of anything beside coated cotton or linen?—Mrs. R. E. K.

Window blinds may be made of chintz or cretonne which is printed on both sides. Remove the old blinds from the rollers. Take the stick out of the old blind. Tack the cretonne on to the roller, being sure that it is in good working condition. Finish the lower

edge of the cretonne with a plain, or a hemstitched hem. Large scallops may be used. Fringe is a popular finish nowadays. Attach a cord to the center of the blind. Run the lath thru the hem or in a slot made about 4 inches above the edge of the blind.

The New Minister

We have a new minister in our town. Should the parishioners call at his home?—Mrs. C. K.

Parishioners should call on a new clergyman or his family. If he is a married man the women should call on his wife. If he is unmarried the women do not call, but the men of the congregation should. If there are young people in the family the young folks of the church should call.

Monday is Preparedness Day

"Getting off with the right foot" on wash day requires preparedness. This is the reason Tuesday is an ideal day for the work.

Here is Monday's program. The bed linens, dresser and buffet scarfs and centerpieces are changed. The cooky jar and cake box are filled with supplies to last until the washing and ironing are done. Foods are cooked in larger quantities than usual with the thought of the morrow's needs in mind.

Ugly stains and spots on tablecloths, napkins and the children's clothes are removed. Large rips and holes are mended. The soap is shaved and dissolved in water. The boiler or the utensil used to heat the water is filled.

When Tuesday morning comes and the breakfast work is over, the washing gets the homemaker's attention until the clothes are on the line. Then the house is put in order and dinner is made ready quickly, due to the preparations made the previous day.

Nell B. Nichols.

Out of the 30,000 inhabitants who lived in Nome, Alaska, in 1901, fewer than 200 are residing there at the present time.

For Our Young Readers

Betty's Diary: Uncle Jack Comes Home

BY IRENE JUDY

DEAR DIARY: He's home! He's home! I want to tell everything so fast that my words fairly turn summersaults over one another.

As Miss Burk and I walked out of school this afternoon I noticed a car standing at the curb. I didn't pay any particular attention to it because I was busy watching some little kindergartners across the street. As we passed it, however, I heard two persons, at almost the same moment, exclaim, "Madeline!" "Jack!"

I turned quickly around and there stood Miss Burk and Uncle Jack looking at each other as if they never intended to quit looking. He held both

heard from him in such a long time. Last winter he and the old miner, with whom he had become acquainted, went to the old man's claim, where there was an abandoned mine. There they began opening a new vein of ore which promised to be rich. Then the miner became very ill, so ill that he couldn't be moved to the nearest village, which was 300 miles by dog sled. Neither could Uncle Jack leave for a doctor, so he stayed, acting nurse as best he could. Gradually his patient grew better, and then, just as their supplies had nearly given out, they started for the village.

The old miner was so grateful for the care given him that he gave Uncle Jack half interest in the mine.

Now I know why Miss Burk didn't know where he was until that evening I took her the autumn leaves. It seems that they met in a little eastern town in which she was teaching. At the same time he was superintending the building of a big bridge nearby. They were often together and cared for each other a great deal; then came a misunderstanding. Uncle Jack thought there was someone who meant more to her than he. Caring for her as he did, he wanted her to be happy, so he went away and never wrote. She has been sad ever since because, all the time, he was the one for whom she cared. Everything is all right now, and the glad look in her eyes makes them shine like stars.

She is going home with me for the Christmas vacation, as her own home is so far away that she cannot go there. Just two more weeks—I can scarcely wait!—Betty Blue.

Solve It With a Mirror

If you turn this puzzle picture upside down and look at its reflection in a mirror you will find the answer. There'll be packages of postcards for the first 10 boys and girls answering



correctly. Send your answers to the Puzzle Editor, the Kansas Farmer and Mail and Breeze, Topeka, Kan.

The answer to the puzzle for March 11 is India. The winners are Mida Ruth Hiatt, William Hartman, Jr., Jane Brownell, Jean Taylor, Henry Kasper, Caroline Ast, John Hamon, Laura Sanders, Viola Barnes and Lena Wempen.

her hands and looked so surprised. Honestly, I believe he had completely forgotten about me, but I didn't intend to be left out entirely, so I gave a big cough, altho I had an awf—I mean a dreadful time making one. Then Uncle Jack woke up, and such a bear hug as I received!

He took us home in the car which he had bought while stopping in the city. It's one seated, but I was thankful for that, as I had to sit on Miss Burk's lap and could hear everything they said.

I didn't suppose so many explanations could be made in one short ride. Uncle Jack told why mother hadn't

From Our Letter Writers

I am 10 years old. I have two brothers but no sisters. I have a pony named Dan. I have two cats and a pup. The pup's name is Billy. He likes to chase cattle. I ride to school horseback, having 2½ miles to go. I am in the fifth grade and live 10 miles from town. Rosa Chrisler. Natoma, Kan.

A Pony, Two Dogs and a Cat

I am 12 years old and in the fifth grade. I like my teacher fine. I have a pony and two dogs and a cat for pets. I have two sisters and one brother at home. Arrington, Kan. Rosa Condrea.

A Pony Named Florence

I am 11 years old. I live on a farm. We raise wheat and corn. I have a pony named Florence. I like to ride horseback. I have four sisters and three brothers. Hazel Anderson. Bogue, Kan.

Wheat and Holsteins

I live on a farm in Haskell county. I am 8 years old. We raise wheat and Holstein cattle. Pauline Gerod. Copeland, Kan.

Kellogg's Corn Flakes touch-the-spot any hour of day or night



"Bobbie dog, guess it makes you hungry, too, to see me eat a great big bowl of Kellogg's for breakfast every morning! But I can't spare any today, Bobbie; honest I can't!"

You can't resist the appeal of Kellogg's Corn Flakes! Pour out a bowl brim full of Kellogg's—big, joyously brown, crisp and crunchy! Was there ever such an appetite treat! And, such a flavor! A breakfast or lunch or supper thrill for big folks as well as little ones.

Get KELLOGG'S Corn Flakes for sure—because Kellogg's are the original Corn Flakes and so deliciously good and so superior in every way that your delight will be boundless. Please understand that Kellogg's are never tough or leathery or hard to eat—they're always crispy!



Kellogg's are sold only in the RED and GREEN package bearing the signature of W. K. Kellogg, originator of Toasted Corn Flakes! NONE ARE GENUINE WITHOUT IT! Have Kellogg's for breakfast tomorrow!

Kellogg's

CORN FLAKES

Also makers of KELLOGG'S KRUMBLES and KELLOGG'S BRAN, cooked and crumbled

RADIO SETS

Westinghouse Ariola, Sr., \$75.00
Westinghouse Ariola, Jr., \$32.50

Complete set and directions for receiving grain and livestock markets and concerts in your own home, either in town or out in the country by RADIO telephone.

Send Check Today

Cold cash counts and first come first served. This is the market price, including extra wire and equipment. Everybody in the country wild about radio and all sets being brought up. IF YOU WANT A SET DON'T DELAY.

We are installing sets like these in our country grain elevators at Solomon, Hope and Lucas, Kansas, and if in that territory you are invited to listen in.

J. E. WEBER & CO. 924 BALTIMORE AVENUE
KANSAS CITY, MISSOURI
Stocks and Bonds—Cash Grain

Four Charming Ferns Free

Four of the Very Best Varieties

This great collection includes a "Boston Fern," an "Ostrich Plume Fern," a "Teddy Junior Fern," and a "Lace Fern." No other house plant is more extensively grown than the graceful "Boston Fern," while in the "Ostrich Plume Fern" is found a particular variety which appeals to every one. The "Teddy Junior" is a Fern for every home. The fronds are broad and beautifully tapered from base to tip. The "Lace Fern" which is a graceful climber has to a great extent taken the place of the once popular "Smilax" in all fine decorations.

SPECIAL FERN OFFER

This collection of four ferns has been selected because of their particular value. Each fern is guaranteed, and a collection of four will be sent FREE and POSTPAID to anyone who will send us 40c for an 18 month subscription to *Capper's Farmer*, or 65c for a 30 month subscription. Now is a good time for planting—send in your order at once.

CAPPER'S FARMER. Fern Dept. 70. TOPEKA, KANSAS



WHY IS THE INSIDE OF A BOTTLE A MYSTERY?



Here is another picture riddle. If you will cut out the parts that have letters on them and arrange the parts correctly, you will find why the inside of a bottle is a mystery. Then you can ask your friends to guess this riddle.

WHEN WRITING OUR ADVERTISERS PLEASE MENTION THIS PAPER

White Diarrhea

Remarkable Experience of Mrs. C. M. Bradshaw in Preventing White Diarrhea

The following letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Bradshaw tell of her experience in her own words:

"Gentlemen: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 47, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail.—Mrs. C. M. Bradshaw, Beaconsfield, Iowa."

Cause of White Diarrhea

White Diarrhea is caused by the Bacillus Bacterium Pullorum. This germ is transmitted to the baby chick through the yolk of the newly hatched egg. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

Never Lost One After First Dose

Mrs. Ethel Rhoades, Shenandoah, Iowa, writes: "My first incubator chicks, when but a few days old, began to die by the dozen with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally, I sent to the Walker Remedy Co., Waterloo, Iowa, for a box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."

You Run No Risk

We will send Walko White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of Walko—give it in all drinking water for the first two weeks and watch results. You'll find you won't lose one chick where you lost hundreds before. It's a positive fact. We guarantee it. The Leavitt & Johnson National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of this guarantee. You run no risk. If you don't find it the greatest little chick saver you ever used, your money will be instantly refunded.

WALKER REMEDY CO., Dept. 47, Waterloo, Iowa.

Send me the ☐ 50c regular size (or ☐ \$1 economical large size) package of Walko White Diarrhea Remedy to try at your risk. Send it on your positive guarantee to instantly refund my money if not satisfied in every way. I am enclosing 50c (or \$1.00). (P. O. money order, check or currency acceptable.)

Name

Town

State..... R. F. D.....

Mark (X) in square indicating size package wanted. Large package contains nearly three times as much as small. No war tax.

The Kansas Beekeepers

BY O. A. KEENE

Recent Rains Bring Bright Prospects for Beemen in Every Section

WITH the splendid rains all over Kansas the prospect is bright for the beemen. Elms are now in bloom and when the weather is warm enough the bees are bringing in pollen. Soon other forest trees will follow, and then the fruit bloom, all encouraging brood rearing which means plenty of "hands" when the crop of nectar is ready to be gathered from the White clover.

Exhibits for Every Fair

We need publicity as regards the many blessings which we derive from the use of honey and the presence of the bee. Help in this publicity by saving some of the finest sections to exhibit at the fairs, include all fairs from your community fair to your state fair. Your calling is worthy of all the publicity that can be given to it. Exhibit both section and extracted honey.

How to Buy Supplies

The purchasing agent of the Kansas State Beekeepers Association is receiving some orders for bee supplies. If you are in need of supplies address George Pratt, Topeka, Kan. If you are in the market for Hubam or biennial Sweet clover, let him know of your wants. He can save you money thru co-operative buying.

Get Things Ready Now

See that all supers and hives are cleaned and made ready for instant use when needed. If section honey is to be produced fill the sections. Put in foundation and store the super away carefully from mice. Hives and supers should be painted and brood frames wired.

Big Freeze Damaged California

The big freeze in California has caused quite a damage to the bee business, and it may be an assistance in stabilizing the price of honey. The quoted price in car lots for California honey is yet very low partially caused by the desire of the dealers to dispose of the stock on hand before the crop of 1922 is placed on the market. We import honey from Cuba, Porto Rico and Hawaii and we export about the same amount to Canada, England and Germany.

Hubam Clover Good for Bees

The Kansas State Beekeepers' Association has distributed to the membership quite a number of samples of Hubam clover seed. Eastern Kansas should be well adapted to this annual Sweet clover which is a great producer of nectar where conditions are favorable to proper development.

Preparing for Honey Harvest

At this time the bees have emerged from their long winter rest and are actively engaged in bringing large loads of dark greenish pollen from the maple. This will be followed by the elm, box elder, cottonwood, fruit bloom, dandelion and a host of trees and shrubbery. Nearly all of which yield either nectar or pollen or both. This great amount of pollen which the bees gather in spring will be used in feeding the young larvae, which in about 35 days will be going to the fields in search of nectar and pollen.

The food which is given to the larvae is composed of pollen, honey and water. It is partly digested by the bees and when fed to the young larvae is rather thick and has a pearly white appearance. During the breeding season the bees use large quantities of water in this manner, and the owner of the bees should see that plenty of water is close at hand so that the bees will not have to fly long distances in early spring in search of it. A good way to supply water is a wooden trough a short distance from the bees with some small pieces of wood or excelsior floating on it so as to keep the bees from drowning. Where bees are kept in town or cities this is important as it will keep the bees from annoying neighbors by going to their pumps or hydrants.

Spring is the most important season of the year for the apiarist. If he de-

sires to obtain a nice crop of honey he must bend every energy to build up the colonies to the maximum strength by the time the main nectar flow begins. In this locality the flow usually begins from May 20 to May 25. The eggs from which the bees are hatched that will gather the crop will have been laid about 35 days previous. It will be seen therefore, that the colonies must have every opportunity possible to become strong in bees by the time the flow begins.

At this season of the year the hives should be opened or carefully lifted to ascertain the amount of stores present. If the hives are found to be light, which indicates that they are short of food, combs of sealed honey should be given. If this comb honey is not available, a sirup made from equal parts of sugar and water, and fed until every colony has at least 15 pounds of stores, more than this will do no harm. Let me again warn you not to feed honey that is bought on the open market. Granulated sugar is better and cheaper. At this time of the year honey disappears in the hive like magic. It has been estimated that for every full frame of brood which is hatched a full frame of honey has been used as food for these bees. The reader will realize therefore, what a large amount of stores is necessary in building a colony to the proper strength. If feeding has to be resorted to, use an empty super on top of the hive and feed in shallow tin dishes with some sticks used as floats to keep the bees from drowning. Another excellent way is to use a friction top pail, punch very small holes in the cover and after filling with sirup invert the pail over the cluster of bees. Never feed in the open air, as it is very likely to induce robbing, and besides if there are any other bees near you, they are very likely to get a good part of the feed.

Minutes and Milk Profits

(Continued from Page 7)

business man advertises the merchandise he has for sale.

Operation of the dairy is highly systematized, and the machinery for the proper and efficient handling of milk in order to meet very rigid requirements is available. In the large milk house is a rotary cooler installed at a cost of \$200. The milk is chilled by passing thru this cooler and collects in the bottling machine. From this bottles are filled, a case at a time. The milk then is put in a refrigerator and kept until ready for delivery. The cooling room is tightly screened.

A large boiler supplies steam for sterilizing the milk bottles after they have been cleaned. They are thoroughly steamed just before being filled. The bottles frequently are tested by the city milk inspector to be certain that they are sterile. The milk also is tested for bacterial content four or five times a month.

Milk is delivered every morning. The evening supply is carried over in refrigerators, the cases being thoroughly iced.

All milking is done by hand. Half covered pails are used and these are kept sterile. The cows' flanks and udders are closely clipped so dirt cannot collect in the hair. Before milking every cow is thoroughly brushed down.

The udders are washed and carefully dried with bath towels. Milkers wash their hands before milking every cow so there is no danger that they will carry dirt they might collect on the way to and from the milk house. Purposely there is no loft in the milk barn so the danger of dirt and dust sifting down from above has been avoided. The barn is cement floored, contains many windows and is white-washed inside. It is frequently cleaned and washed out so that it always is in a sanitary condition.

"Money can be made from milking cows and selling the milk without any particular attention as to what becomes of the product," said Mr. Bock, "but I decided I wished to do more than that. I have been in the dairy business for 12 years and I have built up an exclusive trade that is a big asset to me."

"Recently I have added a large herd of purebred hogs because I have found that they fit in admirably with dairy cattle, enabling me to prevent certain wastes that occur where cattle only are handled. In my opinion a man will seek a long time before he will find a combination that will beat dairy cattle and hogs as money makers, year in and year out in the Middle West."

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FULLY GUARANTEED
CREAM SEPARATOR

A SOLID PROPOSITION to send new, well made, easy running, perfect skimming separator for \$24.95. Closely skins warm or cold milk. Makes heavy or light cream. Different from picture, which illustrates larger capacity machines. See our easy plan of **Monthly Payments**. Bowl a sanitary marvel, easily cleaned. Whether dairy is large or small, write for free catalog and monthly payment plan. Western orders filled from Western points.

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Cream Separator Repairs

Parts and repairs for all standard machines. All parts genuine make. Bows balanced. Prompt service—charges reasonable. Separator Dept., E. D. Sharpless, Supt. **Liebers Equipment Co.** 212 No. 11th St., Lincoln, Neb.

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EASY TO KEEP

We will tell you all about it. Write today for handsome free booklet, "Bees for Pleasure and Profit." Tell us if you keep bees now, your occupation and home location so we can better advise you.

THE A. I. ROOT COMPANY
421 Main St., MEDINA, OHIO.

\$13.95 Buys 140 Egg-Champion Belle City Incubator

Hot-Water, Copper Tank, Double Walls, Fibre Board, Self-Regulated Safety Lamp, Deep Nursery. With \$7.95 Hot-Water 140-Chick Brooder—Both for only \$19.95

Express Prepaid

East of Rockies and allowed to points West. With this Guaranteed Hatching Outfit and my Guide Book for setting up and operating, your success is assured. Save time—Order now—Share in my \$1000 in Prizes.

Or write for Free Poultry Book, "Hatching Eggs," Jim Roban, Pres. **Belle City Incubator Co.** Box 21, Racine, Wis.

150 EGG Incubator Only **\$13.85**

Made of California Redwood, asbestos lined, covered with galvanized iron. Built to last for years; triple walls, deep chick nursery, hot water heat, copper tanks. Shipped complete, set up, ready to run, freight paid.

150 EGG INCUBATOR WITH BROODER \$19.75
260 EGG INCUBATOR, ALONE, ONLY \$20.25
260 EGG INCUBATOR WITH BROODER \$28.75

30 days' trial—money back if not O. K.—FREE Catalog. **Wisconsin Incubator Co., Box 63, Racine, Wis.**

130 Egg Incubator and Brooder \$17.00

Ordered together, Freight Paid east of the Rockies. Hot water—copper tanks—double walls—dead air space—double glass doors—shipped complete, all set up ready to use.

180 Egg Incubator and Brooder - \$22.00
260 Egg Incubator and Brooder - \$30.00

Made of California Redwood—last a lifetime. Positively the best value on the market today. Order the size you want direct from this ad. 30 days trial—money back if not pleased. If not ready to order now, don't let until you get our 1922 catalog. **WISCONSIN INCUBATOR CO., Dept. 114, Racine, Wis.**

Sick Baby Chicks? GERMOZONE is a positive remedy for roup, colds, bowel trouble and such costly ailments. Preventive as well as curative. A wonder worker for poultry. On market over 20 years. Endorsed by many thousands of users. Don't lose your baby chicks. Get GERMOZONE TODAY. At drug and seed stores. If no dealer, order by card. 75c and \$1.50 sizes. Postman will collect. No extra charge.

GEO. H. LEE CO., Dept. 95, Omaha, Neb.

BABY CHIX from great layers. Full-blooded, big, healthy stock. One of the largest and best equipped hatcheries in the world. 11 leading varieties. 50,000 chicks weekly. Postpaid to your door. Lowest prices. Catalog free.

FARROW-HIRSH CO., PEORIA, ILL.

CHICKS From Barron Strain Single 256 Egg Record. Comb White Leghorns of laying S. C. Brown Leghorns and Anconas. Prices very reasonable. Write me your wants NOW. Circular.

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DOG DISEASES
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129 W. 24th St., New York

The World's Dairy Congress

All Countries Will Attend the October Session

BY J. H. FRANDSEN

A WORLD'S Dairy Congress in America during October, 1923, a congress of international scope far exceeding any previously held, was determined upon at the first official gathering, March 13, at Washington, D. C., of the men who will manage the big international event. This World's Dairy Congress and the National Dairy Show will be held on successive weeks in one of America's leading cities. Secretary of Agriculture Henry C. Wallace, who is honorary president of the congress, in speaking to the officers, said: "I wish to give you my assurance of our very great interest in the World's Dairy Congress, and you may be sure that the Department of Agriculture will assist as much as possible."

Some idea of the size of the industry behind this movement may be gathered from the last Census figures from

we must have a crystallization of our plans, which I plan to submit to you for such action as you see fit to take. "This congress was conceived with the thought that America has something to give the world in return for what the world has given us in relation to milk and its production and use. It is felt that the bringing of eminent foreigners to this country at this time will be a stimulus to our dairy industry.

"I wish to recommend that the congress be organized in four sections, relating to research and education, industry and economics, regulation and control, and national health. The first section is necessary because the progress of the industry is based on science. Europe gave us five breeds of dairy cattle, knowledge of pasteurization, bacteriology, and tuberculosis.

"America developed the economic side and we plan to make this congress different from any other international dairy meeting ever held in the consideration of industry and economics. In that section, we wish to bring out discussions of all those great economic problems which have a world-wide aspect. There are problems here peculiar to us in which the man from Argentine or Sweden might not be interested, but there is a great number of economic questions of universal interest. We want to make the industrial side a conspicuous feature. The development of co-operative effort in many countries brings to the front a realization of the need of understanding on the part of the leaders of co-operative organizations of the economic forces which influence the business of the world."

Many Delegates Invited

The Government of the United States and the World's Dairy Congress Association invite national, provincial and municipal governments, scientific societies, organizations of producers, manufacturers and distributors, medical, nursing, nutritional, dietetic, health and welfare associations to send delegates to this congress. Interested individuals without government, association or society credentials will be welcome.

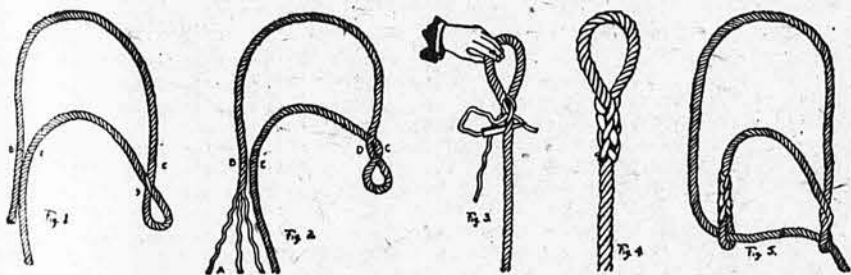
The management is planning trips and excursions to places of national, historical and professional interest. The National Dairy Show, conducted by the National Dairy Association, likely will be held in the same city and will immediately follow the World's Dairy Congress. This show is the annual exposition of the American dairy industry, where the visitor may see in a few days its distinguishing features. It brings together a thousand of the best-bred dairy cattle of the United States and Canada.

Making an Adjustable Rope Halter

BY FRANK A. MECKEL

AN ADJUSTABLE rope halter is a mighty handy thing on any farm and may be made by any boy who will follow a few simple directions.

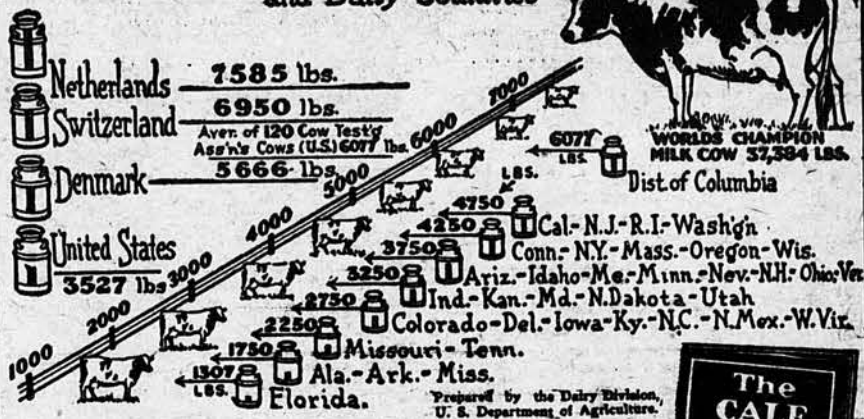
The only materials necessary are a piece of half-inch Manila rope 14 feet long and a "needle" or marlin-spike. This needle is made by whittling to a point, a stick of oak or other hard wood, and boring a hole an inch deep in the large end. The strand is tucked into this hole and as the spike passes under another strand, the end is carried with it without injury to the fibres.



Lift one strand as shown in Fig 1 and pass the end under it. Lift another strand on the rope very near where the first strand was raised and pass the other end under that. Next, unturn a few wraps of the short end and splice back, making an eye as shown in Figures 2, 3, and 4. Pass the long end thru this eye and you have an adjustable rope halter as shown in Fig 5. It can be made to fit a colt or a horse. The 14 foot rope will allow enough over for a nice long lead line or tie rope.

PRODUCTION OF MILK

Of the Average Cow in the United States and Dairy Countries



Not More Cows—But Better Cows

Compare the average yearly milk production in the United States, of 3,527 lbs. per cow, with that of other countries shown above. You will see at a glance that one of the greatest means of increasing dairy profits is in obtaining better cows.

The cheapest and best way of getting better cows is to raise them. Use a good bull, keep the best calves from your best cows and raise them on De Laval skim-milk, which is a splendid feed when properly fed. In this way you can improve your herd at very little cost.

A De Laval Separator is valued chiefly because it separates cream—a cash crop—better, quicker, cheaper and without waste. But of almost equal importance is the skim-milk it gives, which will replace your present cows with better cows; or as Pren Moore of the University of Idaho says, "when fed to laying hens will bring you as much money as the original butter-fat," while it is without equal for growing pigs.

Milk, butter, eggs, poultry and pork, the best paying crops—a De Laval helps make them possible and more profitable.

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De Laval
Cream Separator and Milker

FREE! This little booklet tells you how to raise fine calves on De Laval separated skim-milk. It is simple and practical. Sent free on request to your nearest De Laval office.



The original cream separator. Over 2,500,000 in daily use; about as many as all the rest combined. Has won 1,091 grand and first prizes at every important exposition. Skims cleaner, turns easier and lasts longer than any other. The world's standard. Pays for itself. Sold on easy terms. See your De Laval Agent or write for information.

In Dairies



Bag Balm is greatly valued by cow owners everywhere because it is perfect insurance against the troubles that attack the milk yield through the udder or teats.

The slightest cut, bruise, chap or sore will make a cow restless and cause a "holding-up" of the milk. Besides, many serious ailments result from neglecting what may seem like very slight injuries of these milk-producing organs.

Any inflammation, soreness, congestion or hardened tissue will quickly heal and become soft and normal through the penetrating action of Bag Balm. Healthy tissue and normal circulation give the cow comfort and restore a full milk-flow. Caked Bag responds promptly to application of this ointment; equally valuable in treating Bunches and Cow Pox.

For the sake of safety, keep a package on hand; feed dealers, general stores and druggists sell big 10-ounce package at the reduced price, 60c.

Write for our valuable free booklet, "Dairy Wrinkles."

Dairy Association Co., Inc.
Lyndonville, Vt.

BAG BALM
MADE BY THE ROW-KARE PEOPLE



CONDITIONS everywhere in Kansas within the last 10 days have improved wonderfully and farmers are no longer pessimistic concerning the outlook for good crops this year. The soil in practically every part of the state has received an abundance of rain and there is plenty of moisture in the ground and the sub-soil to give all of the spring planted crops a good start. Alfalfa and wheat fields which seemed dead and lifeless have revived and now look green and thrifty. Farmers thruout the state are planning to put in a normal acreage of all crops.

Pasture lands are coming out in good condition and Kansas as usual will have thousands of acres of grazing land which will be a Godsend not only to Kansas farmers and livestock feeders but also to the stockmen of Texas and Oklahoma who always send their cattle here in the spring and summer for pasture. The charges this season it is said will range from \$6 to \$8 a head, but there is a general feeling that cattlemen cannot afford to pay higher prices than these.

State Crop Conditions

A general spirit of optimism pervades the last report of the Kansas State Board of Agriculture that was issued for the week ending March 25. In this report, J. C. Mohler, secretary of the board says:

"General rains fell in all parts of the state last week except in the southwest portion. As a rule, however, the rainfall was not as heavy as the week previous altho flood conditions prevailed on Thursday night and Friday in Coffey and Allen counties along the Neosho River and its tributaries. Coffey county experienced a 'cloudburst' and a rainfall measuring 6 to 11 inches, and extreme damage was done in Burlington and the surrounding country. About half an inch of rain fell in the north central counties and from 1/2 to 1 1/2 inches thru Central Kansas. A heavy hail was reported from the southeastern corner of Harvey county Thursday night.

"The Eastern Kansas soil is thoroly soaked and too wet for work during the greater part of the week. In Central Kansas the ground is in fair condition, permitting some sowing of oats, especially in the northern section, and soil conditions are extra good in Southwestern Kansas. Many counties in the Northern and Western part of Kansas are still in the dry belt and moisture would be welcome.

Rains Delay Spring Seeding

"Oats seeding is badly delayed by the wet weather and in Southeastern Kansas there is considerable talk of suspending any further planting of that crop because of the lateness of the season, and devoting the land to corn and the sorghums.

"Thru the Kaw Valley section, very little potato planting has been done and continued wet weather is causing much discouragement among growers. In Southeastern and South Central Kansas, about 30 per cent of the potato ground has so far been planted. In Pawnee county, an extensive experiment in Irish potatoes growing under irrigation is being tried out this year, two carloads or about 100 acres already having been planted. The wet weather is also delaying the seeding of barley except in northwestern counties.

Good Fruit Yield Expected

"Fine moisture conditions are bringing out the wheat, alfalfa and pastures and spring alfalfa seedings are being increased. So far, fruit of all kinds is in good condition, and plums, apricots and peaches are starting to bloom in Southeastern Kansas.

"It is reported that more than 15,000 lambs were fed in Pawnee county during the winter and that the bulk of them has already been marketed on a high market. Prices of farm products have fallen somewhat during the week, this being especially true of wheat and cattle."

Of course it is disappointing somewhat to farmers and stockmen that prices for farm and livestock products have not maintained the high levels reached a short time ago, but hogs and cattle were about as high as they could go under present conditions, but there is good money and a reasonable profit in hogs even at \$10. In fact farmers can realize much more money out of their corn marketed thru hogs at that figure than they could by selling the corn direct in the open market. Altho wheat and cattle did not retain all of

Farmers Plan Normal Crops

Cheaper Machinery and Labor Stimulate Production

BY JOHN W. WILKINSON

their gains in the recent rises, there is still a possibility that all of these losses may be regained and some further advances made.

At the same time prices for many of the things that farmers have to buy have been coming down steadily so that the buying power of the farmers' dollar is steadily increasing. Motor cars, tractors, trucks, and farm machinery of all kinds have made heavy reduction and prices in some cases have been slashed 25 per cent or more. Prices for clothing and food also have made heavy declines. Farm labor, now is more plentiful and shows a decline in keeping with other things. Considered from every point of view farmers now have a fairly encouraging prospect for a fairly prosperous year in farming and there is no doubt but that this will be reflected in farm operations and cropping on a much larger scale than was originally planned at the first of the year.

Kansas farmers always have shown a great deal of grit and they never quit the game as long as there is a bare chance to succeed. This year Kansas as usual will maintain its reputation as one of our leading agricultural states and at the end of the year no doubt will have to its credit more than the average yield of corn, wheat and other farm crops.

Special County Reports

Local conditions in the state of crops, livestock and farm work are shown in the following special reports from the county correspondents of the Kansas Farmer and Breeze:

Anderson—Kansas has plenty of moisture now. We have been having warm days and wheat is excellent. Not many oats have been sown yet as it is too wet at present to work in the fields. Grass land is plentiful and is renting for \$1 to \$1.50 an acre. Most farmers report poor success with spring pigs as sows are only averaging around three and four apiece. Hogs are scarce and high. Corn is worth 50c; hedge posts, 20c; butterfat, 33c and eggs are 18c.—J. W. Hendrix, March 25.

Barber—We have had heavy rains and a snow since our last report, and the ground is thoroly soaked, and the unexpected has happened. Wheat that looked as if there was no chance for its coming on will make a normal crop if favorable conditions hold out thruout the season until harvest. Farmers are very optimistic and good feelings prevail. Numerous sales are being held and prices for livestock are satisfactory. Soil will be in perfect condition for spring work as soon as dry enough to work.—Homer Hastings, March 25.

Bourbon—We are having some typical March weather. A big rain last week did lots of damage to fences and telephone lines. Wheat is excellent and some of the farmers have begun to sow oats. Corn is worth 50c; cream, 33c; butter, 30c and eggs are 18c.—Oscar Cowan, March 25.

Butler—With a 3-inch rain that we had recently the ground is too wet to work this week. Wheat is excellent. Very few oats have been sown, in fact, a small acreage will be put out this year. There are a number of spring pigs. All kinds of livestock

are in excellent condition as feed is plentiful.—Mrs. Charles Geer, March 27.

Clay—On March 9, about 5 inches of snow fell and on March 13 we received 1 1/2 inches of rain. The fields are too soft to work. The weather is mild and wheat fields are growing nicely. In the central part of county a considerable amount of the wheat is dead and spring crops will be put in its place. Wheat is worth \$1.15; butterfat, 30c and eggs are 20c; hogs, \$9.—P. R. Forslund, March 18.

Crawford—Continued rain has retarded oats sowing but early sown oats are making a good stand. Wheat is excellent. Pastures are starting a little. All kinds of livestock are coming thru the winter in excellent condition. Plowing for corn is well advanced.—H. F. Painter, March 25.

Dickinson—The first half of March was very wet. We had several snow storms and rains which have been excellent for the wheat. The soil is thoroly soaked now. Not much spring work has been done so far. Oats seeding will be later than usual. The storms have been very hard on stock. Hens are laying well. Eggs are worth 16c.—F. M. Larson, March 25.

Ellis—We had snow two weeks ago which drifted badly. The east and west roads were nearly impassable for a week. Prospects for another wheat crop are not very encouraging. Very little wheat is being marketed. Feed is getting scarce and most of the cattle are rather thin. Wheat is worth \$1.32; corn, 55c and eggs are 17c.—C. F. Erbert, March 25.

Ellsworth—Enough moisture fell during the first two weeks of March to soak the ground thoroly and fields are still too wet to be worked. Wheat that got a fair start last fall is looking good. Other fields are improving and look good for a fair crop. Cream is worth 27c; wheat, \$1.30 and eggs are 15c.—W. L. Reed, March 25.

Ford—We have plenty of moisture now. The wheat is beginning to come up but the stand will be thin and weeds may get ahead of it. Some farmers think it is too late for the wheat to make a crop. Oats and barley will be sown as soon as the ground gets dry enough.—John Zurbuchen, March 27.

Gove and Sheridan—On March 18 about 2 inches of rain fell and 10 inches of snow. This is the first moisture to amount to anything we have received since last September. All wheat which is alive will soon revive. The roads are very bad. Very few public sales are being held. Some cattle, hogs and cane seed are being shipped to Kansas City. Eggs are worth 14c; oats, 55c and butter is 30c; cream, 24c; barley, 50c; corn, 55c; wheat, \$1.24.—John I. Aldrich, March 25.

Graham—We have been having plenty of moisture which will be excellent for the wheat. The damage from the dry weather cannot be determined yet. The ground will be in excellent condition for spring plowing and sowing. All kinds of livestock have wintered well and losses have been very light. There is still plenty of feed. Business presents a better aspect than it did several months ago. Wheat is worth \$1.25; corn, 50c; cream, 33c and eggs are 16c; hogs, \$9.—C. L. Kobler, March 25.

Greenwood—We have had nearly 4 inches of rain since March 1 which will give us plenty of stock water. It was good for the wheat but greatly delayed oats sowing. A very small acreage of oats has been sown as most of the ground is too wet to be worked. Indications are that we will receive more rain. Wheat is worth \$1.15; kafir, 50c; corn from 45c to 50c and oats are 40c.—John H. Fox, March 25.

Jefferson—Another good soaking rain fell last week which makes the ground very soft. It will be several days before the ground will be dry enough for oats sowing even if it does not rain before that time. The early sown wheat is a bright green and seems to have come thru the winter in excellent condition. Hay is selling for \$10 and \$11 and corn has been selling for 50c.—A. C. Jones, March 25.

Jewell—Farmers are plowing and disking for oats. Most of the farmers believe that the wheat is dead and a large amount of the ground will be sown to oats and spring crops. Such a small thing as a failure of wheat does not discourage Kansas farmers. If we can't raise wheat we will raise corn. Prices of property sold at public sales are excellent. All kinds of livestock are in good condition. Butterfat is worth 25c and eggs are 16c.—U. S. Godding, March 18.

Labette—The ground is too wet to work since rain began. Wheat is excellent, altho some of it is small and there are a few bare spots caused by green bugs last fall. Some of the oats are up but there are still some to be sown. Pastures are getting green. Indications are that there will be a good fruit crop. Oats are worth \$1.20; eggs, 18c and corn is 50c; wheat, \$1.20; cream, 28c; flour, \$1.85; coal, \$8.—J. N. McLane, March 27.

Marion—We had a 4-inch rain during the past week and the ground is thoroly soaked so that farmers cannot work in the fields. Nearly half of the oats have been sown. An unusually small acreage of oats is being sown. Wheat looks excellent since the rain. Old wheat is worth \$1.25 and eggs are 24c.—G. H. Dyck, March 27.

McPherson—We have received nearly 1 inch of moisture in the last four weeks and the ground is in good condition. Wheat is excellent. Oats sowing has been delayed a few days on account of ground being too wet. Some alfalfa is being sown. Broad sows are scarce. Many cattle were kept during the winter.—John Ostlund, March 27.

Neosho and Wilson—We have had too much rain and all farm work has been delayed. Only one-fourth of the oats have been sown. The roads and fields were damaged considerably by the rains. A large amount of ground has been plowed for corn. Wheat is thrifty. Feed is plentiful. The public sale season is over. Horses, cattle and hay are cheap. Farmers are not buying many new implements. Freight charges to Kansas City are 85 cents a hundredweight and former prices were 25 cents. School terms are closing and dinners are being served the last day. Assessors are busy. Hogs are worth 9c and corn is 50c; wheat, \$1.—A. Anderson, March 25.

Osage—Wheat has improved 20 per cent since the rain. Some fields are looking as good as last year. Prices paid for everything at sales are 15 per cent higher than two months ago. Prices are higher on all kinds of farm produce except hay and eggs. If freight rates on hay cannot be reduced some hay land will not be cut. The price of wheat is fluctuating. Eggs are worth 16c and cream is 33c; corn, 50c.—H. L. Ferris, March 25.

Osborne—Mild, dry weather still continues. Some of the wheat fields are green but most of the fields look dead. Very little spring work has been done yet. Oats and barley would not come up if they were in the ground. Rough feed is getting scarce. All kinds of livestock are in excellent condition. Corn is worth 50c; wheat, \$1.18 and eggs are 15c.—W. F. Arnold, March 27.

Rawlins—We have had plenty of moisture recently in the form of snow and rain. Wheat is in fair condition and with favorable weather we will raise a good crop. Farmers have been busy the past 10 days getting the ground in condition for crops. A few gardens have been planted. The price of wheat and corn is advancing.—A. Madsen, March 25.

Reno—The central part of Kansas now has received plenty of moisture. Wheat is very uneven and some late sown seed isn't up yet. The buds on the fruit trees are all right so far. Some wheat is being marketed. Wheat is worth \$1.30; corn, 50c; butter, 20c; cream, 30c and eggs are 20c.—D. Engelhart, March 25.

Rush—We have been having mild and pleasant weather during the last few days which is a great help to the growing wheat. Crop conditions thruout the country are fair. Farmers are sowing oats but a small acreage will be seeded. Potato planting is well under way and the same acreage will be put out this year as last season. Feed is getting scarce in most places. All kinds of livestock are in excellent condition. Not many public sales are advertised this spring. Wheat is worth \$1.30; corn, 50c; butterfat 35c and oats are 55c; eggs, 18c.—A. E. Grunwald, March 25.

Russell—We have received plenty of moisture and the wheat is getting green. Many spring crops will be planted. The roads are very bad. Not much wheat is being marketed. All kinds of livestock are in excellent condition. Hogs are scarce. Potatoes are worth \$1.80; eggs, 16c and cream is 25c.—M. Bushell, March 25.

Trego—Dry weather still continues. The weather is warm and vegetation has started where there is sufficient moisture. Wheat is showing up a little. Farmers have begun to sow oats. Very few public sales are being held. Some land is changing hands.—C. C. Cross, March 25.

Cows on Pasture

Pastures will soon be available for dairy cows. Owners of cows usually put them out on pasture too soon, expecting the cows to get all feed necessary from scant early pastures. Until the pastures have made a good growth, cows will need about a pound of grain for every 6 pounds of milk as well as some dry hay.

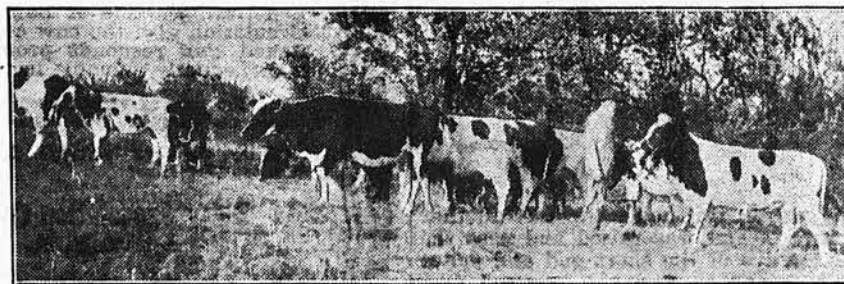
One of the most interesting farm homes in Bourbon county is that of J. Simpson, 12 miles southwest of Fort Scott, according to A. C. Maloney, county agent. Mr. Maloney says that the lumber for the house was freighted to Bourbon county from Kansas City by a team of oxen 50 years ago. The side boarding is of black walnut, which Mr. Simpson says was planed by hand. Mr. Maloney says that the house is in a splendid state of preservation.

Several thousand disabled emergency officers of the A. E. F. are to be retired on the same privileges as regular army officers. Disabled officers, to obtain the benefits, are required to have a disability of at least 30 per cent under the war risk law standards.

Cows Will Bring Prosperity

BY J. H. FRANSDEN

RECENT figures compiled by the Western Office of the United States Dairy Division, comparing agricultural districts thru bank deposits, show that banks in dairy centers of the same states carry a much larger deposit per capita than do the banks located in towns of other agricultural districts where dairying is not practiced. The figures taken as the deposits of banks in six towns in the dairy centers and compared with those of an equal number of towns in other farming districts, show that the dairy towns have an average population of 13,443 with average deposits of \$17,325,140, or a deposit of \$1,288.78 per capita. The figures of the six grain towns are, average population 21,420, bank deposits \$10,360,280, or a deposit of \$478.99 per capita. The towns selected by the Government for carrying on this investigation were representative ones of the agricultural industries of their respective districts in the same states.



Kansas Has a Number of Well-Established Herds of Holsteins but Needs Many More to Supply the Constantly Increasing Demands

Grain Prices Slump Again

Light Exports and Dull Demand Depress Wheat

BY JOHN W. SAMUELS

DURING the week all grain prices sagged on account of dull demand and light export trade. There was only an indifferent inquiry from domestic consumers and this with the improved outlook for the new crop had a depressing effect on wheat. Other factors that helped to force prices down were the unsettled political conditions in Europe and the liberal supplies of grain on vessels now enroute to that country. May wheat lost 8 cents and other futures from 3 to 5 cents.

There is a large amount of wheat in the visible supply of the United States and this proved to be another bearish factor. The visible supply has decreased only moderately. For the remaining three months of the old season there is estimated to be on hand more than 38 million bushels or approximately 14 million bushels more than a year ago. Exports of wheat and flour from the United States last week were 5,698,000 bushels as compared with 4,895,000 bushels for last week, and 4,655,000 bushels a year ago. Stocks of wheat in the elevators at Kansas City are estimated to be 9,247,000 bushels which is 422,000 less than for last week and is a reduction of 1,151,000 bushels for the last three weeks.

All Futures Decline

Corn reacted with wheat and also slumped on futures. May corn lost about 4 cents; July 2½ cents and September about 3½ cents. Shipments of corn last week from the United States were 3,632,000 bushels or 633,000 bushels more than a year ago.

Oats futures were influenced slightly by declines in wheat and corn and showed losses of approximately 2 cents.

The following quotations on grain futures were reported in Kansas City at the close of the market:

May wheat, \$1.18½; July wheat, \$1.08½; September wheat, \$1.02½; May corn, 52c; July corn, 55½c; September corn, 58¼c; May oats, 33½c; July oats, 36c.

Kansas City Cash Sales

Toward the end of the week the demand for wheat showed a little improvement and at the close of the market wheat was quoted as unchanged. The following sales were reported at Kansas City on cash wheat:

No. 1 dark hard wheat, \$1.35 to \$1.50; No. 2 dark hard, \$1.33 to \$1.50; No. 3 dark hard, \$1.32 to \$1.48; No. 4 dark hard, \$1.27 to \$1.44; No. 1 hard wheat, \$1.25 to \$1.45; No. 2 hard, \$1.24 to \$1.45; No. 3 hard, \$1.23 to \$1.43; No. 4 hard, \$1.18 to \$1.40; No. 5 hard, \$1.16 to \$1.28; No. 1 Red wheat, \$1.33 to \$1.37; No. 2 Red, \$1.30 to \$1.35; No. 3 Red, \$1.25 to \$1.30; No. 4 Red, \$1.20 to \$1.25; No. 1 mixed wheat, \$1.33; No. 2 mixed, \$1.33; No. 3 mixed, \$1.30 to \$1.32.

Corn Market is Steady

Corn this week was in fair demand at Kansas City and was quoted steady to 1 cent higher. The following sales were made:

No. 2 White corn, 53c; No. 3 White, 52½c; No. 4 White, 52c; No. 2 Yellow corn, 55½c; No. 3 Yellow, 54½c; No. 2 mixed corn, 53c; No. 3 mixed 52½c to 53c; No. 4 mixed 51½c to 52c.

Other grains were quoted as follows: No. 2 White oats, 37½ to 38c; No. 3 White, 36½ to 36¾; No. 4 White, 35 to 35½; No. 2 mixed oats, 35½c; No. 3 mixed 33½ to 35c; No. 2 Red oats, 35 to 38c; No. 3 Red, 32 to 37c; No. 4 Red, 31 to 34c; No. 2 White kafir, \$1.33; No. 3 White, \$1.32; No. 4 White, \$1.32; No. 5 White, \$1.29 to \$1.30; No. 2 milo, \$1.44 to \$1.48; No. 3 milo, \$1.42 to \$1.47; No. 2 rye, 90 to 90½c; No. 3 barley, 57c; No. 4 barley, 55½c.

Hay Advances 50c to \$1.50

Strong demand has developed at Kansas City for timothy and for clover mixed hay. Timothy hay advanced 50c to \$1 and clover mixed hay advanced \$1.50 a ton.

The following sales were reported at Kansas City:

Choice alfalfa hay, \$26 to \$30 a ton; No. 1 alfalfa, \$22 to \$23.50; standard, \$18.50 to \$21.50; No. 2 alfalfa, \$15 to \$18; No. 3 alfalfa, \$12.50 to \$14.50; No. 4 prairie hay, \$11 to \$12.50; No. 2 prairie, \$9 to \$10.50; No. 3 prairie, \$8.50 to \$8.50; No. 1 timothy hay, \$15.50

to \$16.50; standard timothy, \$14.50 to \$15.50; No. 2 timothy, \$12.50 to \$14; No. 3 timothy, \$9.50 to \$12; light mixed clover hay, \$15.50 to \$16; No. 1 clover, \$13 to \$15; No. 2 clover, \$9.50 to \$12.50; packing hay, \$5 to \$6; straw, \$7 to \$8 a ton.

But little change is shown in prices of millfeeds. The following prices are quoted at Kansas City:

Bran in sacks, \$1.05 to \$1.09 a hundredweight; shorts, \$1.25 to \$1.40; corn chop in sacks, \$1.17 to \$1.19; linseed meal in ton lots, \$63 a ton; linseed meal in carlots, \$57.50 a ton; cot-

tonseed meal and nutcake, \$52.50 a ton; cold pressed cottonseed cake, \$52.50; tankage, \$70; No. 1 alfalfa meal, \$16.50 to \$17.50; No. 2 alfalfa meal, \$14.50 to \$15; brown alfalfa meal, \$13.50 to \$14; No. 1 alfalfa molasses feed, \$20; No. 2 molasses alfalfa feed, \$18.

Not much change has taken place in the price of seeds in the last fortnight. The following quotations are given at Kansas City:

Flaxseed, \$2 to \$2.02½ a bushel; alfalfa, \$11.50 to \$16 a bushel; timothy, \$4.75 to \$5.75; clover, \$17 to \$22; bluegrass, \$30 to \$55, according to quantity and quality; German millet, \$1.10 to \$1.40; Siberian millet, \$1.15 to \$1.25; cane \$1 to \$1.35; Sudan, \$2.85 to \$3.25.

The following sales of broomcorn are reported at Kansas City:

Fancy whisk brush, \$275 a ton; broom-

corn brush, \$180 to \$220; medium Standard, \$140 to \$180; medium Oklahoma Dwarf, \$130 to \$160; common Oklahoma Dwarf, \$110 to \$130; common stained Dwarf, \$70 to \$90; badly damaged brush, \$50 to \$70 a ton.

Like Begets Like

Remember that "as ye sow, so shall ye reap." If you set small eggs, you can look for small chicks which, when matured, will lay small eggs. If you make a practice of setting large eggs, the reverse will be true. The same holds true with color. If you desire a white egg produced in your flock, do not set buff colored eggs. For coloring, like size, is transmitted.

A new French police force, modeled on that existing in France, is to be organized in West Africa.

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More than 200,000 New Butterfly Cream Separators Now in Use.

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The Coupon Makes First Payment And the Separator Itself Pays the Rest

You get the benefit of the great saving in time and work while the Separator is paying for itself. After that the profit is all yours, and you own one of the best Separators made—a steady profit producer the year 'round—a machine guaranteed a lifetime against all defects in material and workmanship, and you won't feel the cost at all. If you decide to keep the Separator we send you, you can pay by the month, or you can pay in full at any time and get a discount for cash. The coupon will count as \$2 just the same. The important thing to do now is to send the coupon, whether you want to buy for cash or on the easy payment plan. We have shipped thousands of New Butterfly Cream Separators direct from our factory to other farmers in your State on this liberal plan.

Pick Out Size You Need

Order from this Advertisement on 30 Days' Trial. Use Coupon

—But You Must Act NOW!

We will accept the coupon below the same as cash for full payment of \$2 on any 1922 model New Butterfly Cream Separator. Don't send a single penny in advance. Just fill out the coupon telling us which size machine you want (see list below) and we will ship it for you to try 30 days in your own home. Then you can find out for yourself just how much a New Butterfly Cream Separator will save and make for you. You can see for yourself before you pay a cent how easily this great labor-saving money-making machine will save enough extra cream to meet all the monthly payments before they are due.

In this way you won't feel the cost at all. You will have the Separator to use on your farm and your money in your pocket.

If at the end of 30 days' trial, you are not pleased just send the machine back at our expense. We will pay the freight both ways. You don't risk a single penny.

No Discs to Clean

The New Butterfly is the easiest cleaned of all Cream Separators. It uses no discs—there are only 3 parts inside the bowl, all easy to wash. It is also very light running with bearings continually bathed in oil. Free circular tells all about these and many other improved features.

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ALBAUGH-DOVER CO., 2310 Marshall Blvd., Chicago, Illinois

Gentlemen:—Please ship me on 30 days' free trial, in accordance with your offer in

Kansas Farmer and Mail and Breeze

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I keep.....cows.

I wish to buy on.....terms.

(Cash or easy payment)

Name.....

Shipping Point.....

State.....Post Office.....

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No. 2½—Machine illustrated at left. Capacity up to 275 lbs. or 125 qts. of milk per hour.

Price, \$44.00

TERMS: Free \$2.00 coupon with order. Balance, \$3.50 a month for 12 months.

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No. 4—Machine shown here. Capacity up to 425 lbs. or 210 qts. of milk per hour. Price \$62.00

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No. 4½—Machine shown here. Capacity 475 lbs. or 235 qts. of milk per hour. Price \$65.60

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No. 5½—Machine shown here. Capacity up to 600 lbs. or 300 qts. of milk per hour. Price, \$69.20

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It is Always Best—

to select a larger machine than you need. Later on you may want to keep more cows. Another thing also, remember, the larger capacity the less time it will take to do the work.

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BEAUTIFUL FLOWER SEEDS, SEVENTY varieties. Flowering bulbs and plants. Write Henry Jefferies, Ottawa, Kan.

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SEED CORN, THREE VARIETIES, HIGHEST quality. Order now. Laptad Stock Farm, Lawrence, Kan.

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SEEDS—KAFIR CORN, \$1 PER BUSHEL. Peterita, \$1.10. Sumac or Orange cane seed, \$1. Seed corn, \$1.75. Millet, \$1.25. Sudan grass, \$5.25 cwt. Sacks free. Holzer Seed House, Russell, Kan.

SWEET CLOVER CHEAP. BEST QUALITY sown on damaged wheat or on oats. Pasture after harvest till it freezes down. Unequal permanent pasture. Information, John Lewis, Virgil, Kan.

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THE KANSAS CROP IMPROVEMENT ASSOCIATION has pure inspected seed of adapted varieties of corn and sorghum recommended by the Kansas Agricultural Experiment Station. Write the secretary, Manhattan, Kan.

SEEDS AND PLANTS

DWARF AND STANDARD BROOM CORN seed, \$3; white, red, pink and Schrock kafir, millet, \$1.50; white and red milo; feterita; orange and sumac cane, \$2; Sudan, \$4; Sweet clover, \$10; alfalfa, \$15; all per 100 pounds. Claycomb Seed Store, Guymon, Okla.

FROST-PROOF CABBAGE PLANTS, LEADING varieties, 1,000 \$1.50; 5,000, \$1 thousand. Postpaid, 500, \$1.25; 1,000, \$2.25. Porto Rican Yam potatoes and tomato plants, 1,000, \$2; 4,000, \$7; 10,000, \$15 thousand. Prompt shipment mail or express. Satisfaction guaranteed. Jefferson Farms, Albany, Ga.

FROST-PROOF CABBAGE PLANTS, EARLY Jersey Wakefield, Charleston Wakefield, Early Flat Dutch varieties. Prepaid parcel post, 100, 50c; 300, \$1; 500, \$1.50; 1,000, \$2.50; 5,000 or over, \$2.25 per thousand. Write us for special dealers price in large lots. Quick shipment, safe arrival and satisfaction guaranteed with every order or money refunded. Culbertson Brothers Plant Co., Bay City, Texas.

CABBAGE AND ONION PLANTS, GEN. uline frost-proof, grown in open field at Texarkana, Ark. Plants are better and will stand colder freezes than plants grown farther south. Strong, hardy, well-rooted plants, moss packed around roots of each bundle of fifty, and bundle labeled separately with variety name. Cabbage: Early Jersey Wakefield, Charleston Wakefield, Succession, Early and Late Flat Dutch. Insured parcel post prepaid, 100, 40c; 200, 75c; 300, \$1; 500, \$1.25; 1,000, \$2.25. Onion: Crystal, White Wax, Yellow Bermuda. Insured parcel post prepaid, 100, 40c; 200, 75c; 300, \$1; 1,000, \$1.75; 5,000, \$7.50. Full count, prompt shipment, safe arrival and satisfaction guaranteed. Union Plant Company, Texarkana, Ark.

NURSERY STOCK

REDUCED PRICES ON OUR COMPLETE assortment of quality stock. Catalog free. Hutchinson Nurseries, Kearney, Nebr.

RELIABLE FRUIT TREES, GRAPES, berry plants, forest tree seedlings, evergreens and roses at reduced prices. Order now. Catalog free. Greenwood County Nursery Co., Eureka, Kan.

MANHATTAN NURSERY, TOPEKA, KAN. 23rd year with quality nursery stock; 2 year apple, 25 cents each; 12 No. 1 grape, \$1; 2 year peach 3 for \$1. For other bargains write for price list describing 150 varieties. Best—suited for middle west. Three dollar orders or over sent prepaid.

MISCELLANEOUS

PHONOGRAPH RECORDS AND PLAYER piano rolls exchanged. Trade old for new. Stamp brings catalog. Fuller, Wichita, Kan.

DOGS AND PONIES

FOR SALE—PURE BRED COLLIE MALE puppies, \$8 each. L. A. Poe, Hunnewell, Kan.

FOX TERRIERS, COLLIES, BULL DOGS, hounds and Airedales, \$4 up. L. Poos, Dearborn, Mo.

WANTED—50 WHITE ESQUIMO-SPITZ puppies every week. Brockway Kennels, Baldwin, Kan.

COLLIE PUPPIES, \$10 EACH. PEDIGREE and registered, \$2 extra. W. J. Lewis, Lebo, Kan.

GERMAN SHEPHERD, AIREDALES, COLLIES and Old English Shepherd dogs, Brood matrons, puppies. Bred for farm helpers. 10c for instructive list. W. R. Watson, Mgr., Nishna Pure Bred Stock Co., Box 221, Macon, Mo.

POULTRY

Poultry Advertisers: Be sure to state on your order the heading under which you want your advertisement run. We cannot be responsible for correct classification of ads containing more than one product unless the classification is stated on order.

ANCONAS

ANCONA EGGS, 15, \$1.25. COCKERELS, \$1. Annie Russell, Thayer, Kan.

SINGLE COMB ANCONAS, SHEPPARD and Post strains. Heavy layers. Eggs, setting, \$1.50; hundred, \$6. Prepaid. Roy Rock, Enterprise, Kan.

S. C. ANCONAS, DARK, 70% FLOCK average since December 1st. Eggs, \$7.50 per hundred. Chicks, 15c each. H. T. Ferguson, Severy, Kan.

PLYER'S PROFIT PAYERS—ORCHARD Home Single Comb Anconas. Winter layers. Hardy hustlers. Hatching eggs, \$4.50; paid to you 15 for \$1.50; 50 for \$4.50; 100 for \$8.00. Hatch guarantee. Circular free. Frank Fyle, R. 3, Oswatomie, Kan.

PAGE'S ANCONA "DOPE" TELLS WHY we quit all other breeds. It's true. Bred Anconas eleven years. Fill orders promptly. Prepay charges, 16 eggs, \$1.50; 50, \$4.50; 100, \$8; 200, \$15. Our guarantee very liberal. Member both clubs. C. J. Page, Sattina, Kan.

Ancona—Eggs

PURE ANCONA EGGS, \$4 100. MRS. J. F. Ott, Virgil, Kan.

ANCONA EGGS, 75c 15; \$4 100. KENNETH Hakes, R. 2, Clyde, Kan.

ANCONA EGGS, WINTER LAYERS, \$5 100. Kate Shriver, R. 3, Clyde, Kan.

SINGLE COMB ANCONA EGGS, \$5 100. Mrs. O. H. Craw, Peabody, Kan.

SINGLE COMB ANCONA EGGS, \$5 100. Flock headed by Shepard strain. Robert Williams, Holcomb, Kan.

EGGS FROM PEN OF HIGH RECORD. Gies strain Anconas, 15, \$1.50; 100, \$8. Mrs. Helen Lill, Mt. Hope, Kan.

McCLURE'S ANCONA FARM. BRED ANCONAS exclusively 10 years. Eggs, 100 \$6. Delivered, H. E. McClure, Cawker City, Kan.

PURE SHEPPARD'S STRAIN SINGLE COMB Mottled Anconas. Selected eggs, \$5-100. Martha Greenwood, Clifton, Kan.

SHEPPARD STRAIN SINGLE COMB ANCONA eggs from quality heavy layers. \$1.75 15; \$7 100 postpaid. C. Triska, Hanover, Kan.

SINGLE COMB ANCONA EGGS. RANGE \$6.00 per 100. Pen 1, \$2.50 per 15. Pen

Ancona—Eggs

PURE BRED SINGLE COMB ANCONAS, heavy laying strain, eggs for hatching, \$1.25; 100, \$6. J. T. Clinkingbeard, R. 2, Altoona, Kan.

ANCONA EGGS FROM HEAVY LAYING strain, Shepard and Imported strain, \$1.50 per 15; \$7 per 100. Postage prepaid. Shem Yoder, Yoder, Kan.

SINGLE COMB ANCONAS. FAMOUS SHEPHERD foundation direct. Hoganized range flock. Selected eggs, 15, \$1.50; 100, \$7. Prepaid. Orders filled promptly. V. A. C. member. John R. Baker, Downs, Kan.

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BLUE ANDALUSIAN EGGS FROM FIRST class blues, \$1.50 15; \$8 100; prepaid. H. Rogers, Colwich, Kan.

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Cornish—Eggs

DARK CORNISH EGGS, PURE BRED, \$2 setting; \$12 100. Mrs. Frank Edwards, Oskaloosa, Kan.

COCHINS

FOR SALE—PARTRIDGE COCHIN CHICKS. Cockerels. Nick Baugh, Box 502, Sterling, Colo.

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TWO WEEKS OLD CHICKS, 20 CENTS. Anna Ausmus, Mullinville, Kan.

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BABY CHICKS, 12 CENTS UP, SHIPPED anywhere. Write for prices. Heide Poultry Farms, St. Louis.

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SINGLE COMB WHITE LEGHORN CHICKS from heavy laying strains. 10 cents up. Prepaid live delivery. Myers Hatchery, Clay Center, Kan.

BABY CHICKS—PURE S. C. BLACK MI- norcas, 16 cents. S. C. Buff Leghorns, 14 cents. Live delivery prepaid. Rhodes Hatchery, Clifton, Kan.

YOU BUY WORLD'S BEST SINGLE COMB White Leghorn chicks at \$15 per 100. That will make you money from Clara Col- well, Smith Center, Kan.

PURE BRED ROSE COMB BROWN AND White Leghorns, 100, \$12. Live delivery guaranteed. Eggs, 100, \$5. Belleville Cen- ter Poultry Farm, Belleville, Kan.

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BABY CHICKS—S. C. WHITE LEGHORN. Tom Barron 240 egg strain, 13 cents; Buff Leghorn, 15 cents. Live delivery prepaid. Queen Hatchery, Clay Center, Kan.

CHICKS—PURE ROSE COMB REDS FROM heavy winter layers. Cockerels from 300 egg hens. 15 cents postpaid. Satisfaction guaranteed. Adda Walker, White City, Kan.

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GUARANTEED CHICKS. ANCONAS, 15 cents; White or Brown Leghorns, 14 cents; Barred Rocks, 20 cents. Postpaid anywhere. Catalog free. Monarch Hatchery, Zeeland, Mich.

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WHITE CHINA GOOSE EGGS, \$4.50 DOZEN prepaid. Mrs. W. A. Stagner, Plainville, Kan.

PURE BRED FAWN AND WHITE RUN- ner ducks and eggs. Mrs. Ufford, Pleasanton, Kan.

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MAMMOTH TOULOUSE GEES EGGS, 35c each; \$3.50 12; \$6 24. Coly Cole, Sharon, Kan.

WHITE PEKIN DUCK EGGS, 10 CENTS each prepaid. Clarence Hoffman, Pres- ton, Kan.

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EGGS—SINGLE COMB WHITE LEGHORNS, bred to lay. T. R. Wolfe, R. 2, Conway Springs, Kan.

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TRAP-NEST AND SHOW WINNERS, SINGLE COMB Buff Leghorns. Pen, 15, \$2.50. Range, 100, \$6. Fred Olsen, Whiting, Kan.

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BARRON'S ENGLISH WHITE LEGHORNS. Large, healthy, fine layers. Eggs, \$5 100. Satisfaction guaranteed. Claude Post, Mound City, Kan.

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PURE BARRON ENGLISH WHITE LEGHORN eggs from selected range flock, \$5 100. Chicks on orders. Mrs. Della Cashman, Jewell, Kan.

317 EGG STRAIN BARRON S. C. WHITE Leghorn eggs, \$10 per 100. Hogan tested, free range, big type birds. Timberview Stockfarm, Neola, Iowa.

SINGLE COMB WHITE LEGHORN, HOGANIZED Ferris strain, heavy winter layers, eggs, \$5 per 100. Chicks, 13c. Mrs. Walter Matthews, Mayetta, Kan.

FERRIS SINGLE COMB WHITE LEGHORN 265-300 strain. Eggs, \$3 per hundred, range flock; pen, \$3 per setting. Lillian V. Orr, Coats, Kan.

EIGHT YEARS BREEDING SINGLE COMB White Leghorns. Purity, health guaranteed. Six dollars hundred. Prepaid. John Walters, Fall River, Kan.

HOGANIZED BARRON STATE FAIR WINNING Single Comb White Leghorn eggs, five dollars hundred. Postpaid. Lois Scherman, R. 7, Topeka, Kan.

IMPORTED ENGLISH BARRON SINGLE Comb White Leghorns. Trap-nest bred-to-record 300 egg. Eggs, chicks, guaranteed. Geo. Patterson, Richland, Kan.

SINGLE COMBED LIGHT BROWN LEGHORN (Highland strain), great egg machines. Eggs 15-\$2.00, 100-\$6. Delivered. Clarence Moore, Scott City, Kan.

LARGE TOM BARRON ENGLISH SINGLE Comb White Leghorn eggs, \$5.00 per 100, 10 eggs extra. Put laying qualities in your flock. Ray Fulmer, Wamego, Kansas.

KULP ROSE COMB BROWN LEGHORN eggs, selected flock, 6 cents each per 50; 5 cents each per 100. Insured parcel post. Mrs. H. H. Spielman R. 1, Seneca, Kan.

YOU GET THE BEST SINGLE COMB White Leghorn hatching eggs from our Hoganized heavy layers. Barron strain, 100, \$4. L. P. Wylie, Clay Center, Kan.

SINGLE COMB DARK BROWN LEGHORN eggs. Russell strain. Hoganized prize winners. Special pen eggs, \$5 100, Chicks, 15c. Mrs. W. B. Knowles, Mayfield, Kan.

SINGLE COMB WHITE LEGHORNS. Flock headed by cockerels 275-300 Ferris strain. 15 eggs, \$1.50. Hundred, \$5. Chicks, 15 cents. Carl Erhart, Independence, Kan.

SINGLE COMB WHITE LEGHORN EGGS. First pen headed by first and special prize cock. \$1.50 per 15. Second pen, \$1 per 15; \$5 per 100. A. R. Fuqua, Caney, Kan.

GENUINE BARRON SINGLE COMB WHITE Leghorns from imported stock. Eggs prepaid and fertility guaranteed. \$5.50 per 100. Catalog. Mrs. Clyde Meyers, Fredonia, Kan.

Leghorn—Eggs

BARRON SINGLE COMB WHITE LEGHORN. Selected winter layers headed by large cockerels of excellent ancestry. Eggs, \$5 100. Prepaid. H. C. Flory, Lone Star, Kan.

SINGLE COMB WHITE LEGHORNS. Frantz's winter egg strain direct. 150 hens laid 5,149 eggs December and January. \$5 for 100 eggs. Mrs. H. J. King, Harper, Kan.

FOR SALE—SINGLE COMB WHITE LEGHORN eggs. My birds won first pen and other ribbons at Hutchinson poultry show. \$10 per 100. Jay Crumpacker, McPherson, Kan.

RYANS EVERLAY SINGLE COMB DARK Brown Leghorns. Eggs, 100, \$5.50; 200, \$10. Chicks, 13 cents prepaid. Satisfaction guaranteed. Ryans Poultry Farm, Centralia, Kan.

HOGANIZED SINGLE COMB WHITE LEGHORN eggs. Sired three generations by Kansas State Agricultural College pedigreed cocks. \$1 15; \$5 100. J. E. Millard, 418 Forest, Topeka.

EGGS—BARRON'S STRAIN SINGLE COMB White Leghorns. 272-314 egg line. Attractive prices. Fertility guaranteed. Prepaid. Circular free. W. E. Phillips, Route 2, Sabetha, Kan.

S. C. BUFF LEGHORN EGGS, CERTIFIED. Our pullet No. 154 made one of the highest records in Illinois laying contest, laying 22 eggs in January. \$6.50 100 postpaid. Mrs. H. Dear, Mayfield, Kan.

HILLCREST SINGLE COMB WHITE LEGHORN. Won over hundred premiums and silver cup. Good layers. Eggs 5c each. Bred variety exclusively for fifteen years. Mrs. Harry Meigen, Osage City, Kan.

SINGLE COMB WHITE LEGHORN EGGS. Winners at several leading shows this winter. Number of customers had excellent results in show rooms winning sweepstakes, etc., combined with extra high egg production. Satisfaction guaranteed. Write for mating list. Bruns Poultry Farm, Oswego, Kan.

COMPARE OUR BLOOD, OUR PRICES. Original stock 1919 from world champions 283 eggs, world champion (304 eggs) hen's grandsons headed flock last year. Only high producing hens, selected by state judge, kept this year with high testing \$25 cockerels heading flock. Eggs, \$7 100. Pure Tom Barron Single Comb White Leghorns. Perry Dietrich, Miltonvale, Kan.

MINORCAS

BLACK MINORCA CHICKS, THE KIND that lay and pay. Catalog free. Claude Hamilton, Garnett, Kan.

Minorca—Eggs

SINGLE COMB BLACK MINORCA EGGS, \$6 100. Henry Schumaker, Clifton, Kan.

SINGLE COMB BLACK MINORCA EGGS, \$1 setting, \$5 100. Ol. Browning, Uniontown, Kan.

SINGLE COMBED WHITE MINORCA EGGS, \$10 per 100. First class. M. E. Fish, Mound City, Kan.

PURE GIANT STRAIN SINGLE COMB Black Minorca eggs, \$6 100. Martha Greenwood, Clifton, Kan.

LARGE TYPE PURE SINGLE COMB Black Minorca winners and layers eggs, 100, \$6. Herbert Rhodes, Clifton, Kan.

ORPINGTONS

COOKS PURE BRED S. C. BUFF ORPINGTONS. Eggs, \$2 per 15; \$4 per 50. Baby chicks, hen hatched, 25c. Mrs. John Hough, Wetmore, Kan.

Orpington—Eggs

WHITE ORPINGTON EGGS, \$5 100. Mrs. Jas. Crocker, White City, Kan.

PURE BUFF ORPINGTON EGGS, \$5 PER 100. Mrs. Tena Clark, Oskaloosa, Kan.

SINGLE COMB WHITE ORPINGTON EGGS, \$5 100. Mrs. Perry Green, Jarbalo, Kan.

FINE BUFF ORPINGTON EGGS, 15, \$1.50; 100, \$6. Postpaid. J. Thompson, Logan, Kan.

PURE BRED S. C. BUFF ORPINGTON eggs, \$4.50 100. Mrs. S. Hutcheson, Oakhill, Kan.

BUFF ORPINGTON EGGS, \$5 100, GOOD layers. Mrs. Harry Priddy, R. "C", Liberal, Kan.

CRYSTAL WHITE ORPINGTON EGGS, Kellerstrass, \$5 100. Gordon North, White City, Kan.

BUFF ORPINGTON EGGS, 5 CENTS EACH. Baby chicks, 12 cents each. J. R. Slentz, Chase, Kan.

ROSE COMB BUFF ORPINGTON FARM range eggs, 15, \$1; 100, \$5. Mamie Howell, Colony, Kan.

SINGLE COMB BUFF ORPINGTON EGGS, \$5 per hundred. Mrs. C. R. Swengel, Clifton, Kan.

PURE QUALITY BUFF ORPINGTON EGGS, \$6 100. Pleasantview Poultry Farm, Little River, Kan.

UTILITY BUFF ORPINGTON EGGS, 100, \$3; 100, \$5. Express collect. Mrs. John Hime, Manchester, Okla.

SINGLE COMB WHITE ORPINGTON EGGS, \$1.25 15; \$6 100. Prepaid. Charles Phillips, Tescott, Kan.

PURE SINGLE COMB BUFF ORPINGTON eggs. Good layers. \$5 100; \$1 15. Elmer Graves, Clifton, Kan.

SINGLE COMB BUFF ORPINGTON EGGS for hatching, 15-\$1.50 prepaid. R. P. Wells, Formoso, Kan.

PURE BRED WHITE ORPINGTON EGGS, Kellerstrass strain, \$5 per 100. Louis Metzger, Haddam, Kan.

BUFF ORPINGTON EGGS, \$1 15; \$6 100. Prepaid. Baby chicks, 14 cents. Ralph Chapman, Hackney, Kan.

EGGS FROM CERTIFIED, PRIZE WINNING Buff Orpingtons, \$2.50 per 15. Mrs. John Bowman, Hartford, Kan.

SINGLE COMB BUFF ORPINGTON EGGS, \$5 per hundred. Owen's strain. Mrs. May Hight, White City, Kan.

PURE BRED SINGLE COMB BUFF ORPINGTON eggs, \$1 per 15; \$5 per 100 prepaid. Mrs. George McAdam, Holton, Kan.

BUFF ORPINGTON EGGS, BEAUTIFUL flock, carefully culled, fine layers, 30, \$2; 100, \$2.25 prepaid. Mrs. Elsie Welter, Flush, Kan.

EGGS, SINGLE COMB BUFF ORPINGTONS from state winners. Heavy layers, hardy, free range. 15, \$2.50; \$10 per 100. Mrs. E. O. Farrar, Abilene, Kan.

Orpington—Eggs

WHITE ORPINGTON EGGS FROM FIVE pens of layers and blue ribbon winners. Goodrich and Harper, 712 Topeka Ave., Topeka, Kan.

241 EGG STRAIN S. C. BUFF ORPINGTON eggs, \$10 per 100; world's champion layers, Hogan tested flock. Catalog free. Walter Bardsley, Neola, Iowa.

BUFF ORPINGTONS EXCLUSIVELY. Closely culled. Carefully bred for twelve years. Good layers. Prize winners. Eggs \$7 100; \$5.12.5. Olive Carter, Mankato, Kan.

S. C. BUFF ORPINGTON EGGS, HENS OF Owens breeding cockerels direct. \$2 15; \$10 100. Baby chicks, 20c. Also ten weeks old cockerels and pullets. Mrs. Harry Steele, Wamego, Kan.

STANDARD BRED S. C. BUFF ORPINGTON eggs. Hogan tested. Owens & Sunwick hens. Famous "Byerstrain" cockerels. Range flock. Vigorous healthy birds. 100, \$8; 50, \$5; 15, \$2.25. Delivered. Mrs. Ida Sheridan, Carneiro, Kan.

PHEASANTS

PHEASANTS, PEAFOWL, BANTAMS, FIFTEEN varieties pigeons. John Hass, Bettendorf, Iowa.

PLYMOUTH ROCKS

BUFF ROCKS, MATING LIST, WILLIAM A. Hess, Humboldt, Kan.

WHITE ROCK EGGS, 4 CENTS, CHICKS, 12 1/2 cents. Mrs. John Hoornbeek, Winfield, Kan.

CHOICE RINGLET BARRED ROCK EGGS, \$6 hundred. Mrs. W. E. Schmitendorf, Lyndon, Kan.

BARRED ROCKS—EGGS, \$1.50 15; \$6 100. Chicks, \$15 100. Mrs. Geo. Bergmann, Vermillion, Kan.

BARRED ROCKS, "RINGLETS", \$4-PREM-iums, 35 first eggs, 15, \$3; 30, \$5. Mattie A. Gillespie, Clay Center, Kan.

FOR SALE—WHITE ROCK EGGS, FISHEL and La Gear strain, \$1.50 per 15; \$6 per 100. P. W. Shaffer, Route 5, Salina, Kan.

LINDAMOOD'S BARRED ROCKS. UTILITY eggs \$1.00 per 15, \$6.00 per 100. Special matings \$5 per 15. Circular. C. C. Lindamood, Walton, Kansas.

IMPERIAL RINGLET BARRED PLYMOUTH Rock eggs and chicks for sale, from breeding yards headed by largest males in Kansas. Weight 9 1/4 to 14 each. Eggs, 15, \$2; 100, \$10. Chicks, 50, \$12.50; 100, \$20. Satisfaction guaranteed. A. L. Hook, North Willow Poultry Ranch, Coffeyville, Kan.

Plymouth Rock—Eggs

BUFF ROCK EGGS, 30-\$2.25; 100-\$6. Mrs. Guy Nelson, Circleville, Kan.

CHOICE WHITE ROCK EGGS, \$4 100 Howard Steele, Gridley, Kan.

BUFF ROCK EGGS, \$6 PER HUNDRED. Fred Johnson, Walton, Kansas.

PARKS BARRED ROCKS, EGGS, 100, \$5. Rena DeBusk, Macksville, Kan.

BARRED ROCK EGGS, \$6 PER 100, MRS. Annie Galbraith, White City, Kan.

RINGLET BARRED ROCK EGGS, \$6 HUN-dred. Mrs. Lynn Bailey, Lyndon, Kan.

WHITE ROCK EGGS, \$6 100 PREPAID. Mrs. Theodore Steffen, Broughton, Kan.

RINGLET STRAIN DARK BARRED ROCKS. Eggs, 15, \$1. Mrs. Gill, Piedmont, Kan.

PURE BARRED ROCK EGGS, \$1 15; \$5 100. Mrs. R. N. Wilcox, Sylvan Grove, Kan.

WHITE ROCK EGGS, 100, \$4.75; 50, \$2.50. Jenkins Poultry Farm, R. 3, Jewell, Kan.

WHITE ROCK EGGS, \$5 PER 100. Rudolph Johnson R. No. 7, Pittsburg, Kan.

100 BUFF ROCK EGGS, \$6; 50, \$3.50. Mrs. Maggie E. Stevens, Humboldt, Kan.

PURE BRED WHITE ROCK EGGS, \$1.50 15; \$6 100. Oscar Hanson, Carlton, Kan.

BARRED ROCK EGGS, \$6 PER 100. Bradley strain. R. D. Ames, Walton, Kan.

WHITE PLYMOUTH ROCK EGGS, \$1.50 15; \$7 100. Anna Landwehr, Greeley, Kan.

PURE BRED WHITE ROCK EGGS, 100, \$5; 15, \$1. Mrs. Elwin Dales, Eureka, Kan.

BUFF ROCKS, PRIZE STRAIN, 100 EGGS, \$6; 15, \$1.25. Mrs. Robt. Hall, Neodesha, Kan.

BUFF ROCK EGGS, RANGE FLOCK, 50, \$3; 100, \$5. Peter K. Davies, Osage City, Kan.

FISHEL WHITE ROCK EGGS, \$5 100; \$9 200. Mrs. James McCreath, White City, Kan.

WHITE ROCK EGGS, 200 EGG STRAIN, \$1 15; \$4 100. C. L. Loewen, Hillsboro, Kan.

HOLTERMAN BARRED ROCK EGGS, \$2 for 15. Mrs. Mattie Gillespie, Elk City, Kan.

BARRED ROCK EGGS, 15 FOR \$1.50 OR 100 for \$5 prepaid. Lewis Stewart, Colby, Kan.

PRIZE WINNING BARRED ROCK EGGS, \$1 15; \$5 100. Mrs. Sam Drybread, Elk City, Kan.

WHITE ROCK EGGS FOR SALE, \$5 PER hundred. Mrs. R. M. Lemons, R. 3, Topeka, Kan.

PARK'S BARRED ROCKS, BRED TO LAY 32 years. Ask for egg prices. R. B. Snell, Colby, Kan.

FISHEL'S SELECTED WHITE ROCKS. Heavy layers. 100 eggs, \$7. Vera Baye, Coats, Kan.

THOMPSON STRAIN BARRED ROCK eggs for hatching. Mrs. L. N. Buckner, Wiley, Kan.

PURE BRED BARRED ROCK EGGS, 30-\$1.85; 100-\$5.00. Catharine Beightel, Holton, Kansas.

FISHEL STRAIN WHITE ROCKS, 15, \$1.50; 100, \$7. Penned, 15, \$2.50. Carl Keesling, Neodesha, Kan.

BUFF ROCK EGGS, \$1.50 15; \$7 100. Bred for exhibition and egg production. Emery Small, Wilson, Kan.

EXHIBITION HEAVY LAYING BARRED Rocks. Mating list. 100 eggs, \$6. Sylvan Miller, Humboldt, Kan.

LARGE PURE BRED WHITE ROCKS. Selected eggs, \$5 per hundred. Charlotte Wenger, Sabetha, Kan.

RINGLET BARRED ROCKS, THOMPSON strain. Eggs from fine selected hens, \$1.25 setting; 3 settings, \$3.25; \$5 100. Mrs. F. R. Wycoff, Wiley, Kan.

WHITE ROCKS, SELECTED, HIGH PRO-ducing, 200 egg strain. Utility flock, 100. Trapnest pen 214 to 287 egg record. H. C. Loewen, Peabody, Kan.

Plymouth Rock—Eggs

BARRED ROCK EGGS, LAYING STRAIN, \$1 per 15; \$5.50 per 100. Mrs. M. R. Lambeth, Abilene, Kan.

PATRIDGE ROCK EGGS, \$3 15, PRIZE winners. Nofziger strain. Rev. H. C. Duckett, Narka, Kan.

BUFF ROCK EGGS, 15, \$1.50; 54, \$3.50; 108, \$6. Special matings, 15, \$6. A. R. Quinnette, Ames, Kan.

FISHEL STRAIN FANCY WHITE ROCKS. Eggs one and two dollars per fifteen. F. A. Castor, Adrian, Mo.

BARRED ROCK EGGS, PARK'S 200 EGG strain, \$5 30; \$8 100 delivered. Gem Poultry Farm, Haven, Kan.

BUFF ROCKS, PRIZE WINNERS, EGGS, 15, \$2; second pen, \$1.50; range, \$5 100. Hugh Shultz, Eureka, Kan.

BUFF ROCKS, TWENTIETH YEAR, EGGS, \$6 per hundred; \$3.50 per fifty. Mrs. Homer Davis, Walton, Kan.

BARRED ROCK EGGS, LAYING, WEIGH-ing kind, \$7 100; \$1.50 setting. Mrs. H. N. Cooke, Cottonwood Falls, Kan.

WHITE ROCK EGGS, DRUMM'S WINTER-lay 200 egg strain, \$1 15; \$6 100. Mrs. Frank Sutter, Effingham, Kan.

PURE BARRED ROCK EGGS, VIGOROUS range flock, 100, \$6; 50, \$3.50. Prepaid. Mrs. T. E. Anderson, Kincaid, Kan.

WHITE ROCK EGGS, LAYING STRAIN, \$1 per 15; \$6 per 100. Safe delivery guaranteed. Frank Ross, R. 1, Hays, Kan.

RINGLET BARRED ROCK EGGS, LAY-ing strain. Hogan tested. 30, \$2.25; 100, \$6. Frank Armstrong, Columbus, Kan.

"RINGLET" BARRED ROCKS, EXTRA layers. Eggs, 60, \$5; 120, \$8. Harper Lake Poultry Farm, Jamestown, Kan.

PURE BARRED ROCK EGGS, SELECTED heavy winter layers. 15, \$1; 100, \$6. Postpaid. G. C. Dregher, Canton, Kan.

PARK'S UP-TO-DATE BRED-TO-LAY 32 years. Longest on record. Trapnest. Ask for egg prices. R. B. Snell, Colby, Kan.

BARRED ROCK EGGS, 7 CENTS EACH. Straight. Prepaid. Hogan tested. Well barred. Mrs. E. E. Shull, Ottawa, Kan.

BARRED ROCK EGGS, 100, \$6. PENS ONE and two Ringlets, three Parks pedigreed, 15, \$5. Mrs. Kaessler, Junction City, Kan.

LARGE BONE, WHITE ROCKS, FISHEL strain. Eggs, 15, \$1.50; 100, \$5. Chicks, 15 cents. Carl Erhart, Independence, Kan.

WHITE ROCKS EXCLUSIVELY, FARM range. Eggs for hatching, \$6 hundred, \$1.50 setting. Mrs. Sam Lash, Abilene, Kan.

BARRED ROCK EGGS FROM WINNERS at State and National shows. For particulars write Hiram Patton, Hutchinson, Kan.

BARRED ROCKS, BRADLEY STRAIN. Large bone, yellow legs, heavy layers. 100 eggs, \$6; 15, \$1.25. Mrs. Ira Emlg, Abilene, Kan.

WINTER LAYING STRAIN BARRED Rocks. 33 years. Eggs, \$5 100; \$1 per 15. Valuable circular free. O. E. Skinner, Columbus, Kan.

HEAVY LAYING STRAIN OF BARRED Rocks. 18 years select breeding. Eggs, \$1.25 per 15; \$6 per 100. Mrs. Helma Romary, Olivet, Kan.

PURE BRED BARRED ROCKS, BRAD-ley strain, large bone, fine barring. Eggs, 15, \$1; 50, \$3; 100, \$5; prepaid. Mrs. O. R. Shields, Clifton, Kan.

RINGLET BARRED ROCKS, CHOICE culled birds. Cockerel mated pen, 15, \$2; 30, \$3. Farm flock, 100, \$5. Mrs. A. M. Sharp, Galesburg, Kan.

WHITE ROCKS, TWENTY-ONE YEARS selective breeding. 100 eggs, \$6.00; 50, \$3.50; 15-\$1.25, prepaid. Bracken Focke, Williamsburg, Kan.

RINGLET BARRED ROCK EGGS, RANGE \$6.00-100. Pen 1, \$2.50 per 15 postpaid. Culled for high production. Homer Perry, Clyde, Kansas, R. 4.

QUALITY WHITE ROCKS, SELECTED eggs from Hoganized birds prepaid. Have bred White Rocks 15 years. Mrs. Chas. Snyder, Effingham, Kan.

WHITE ROCK LINE BRED HEAVY LAY-ers, winners at Kansas State show. Eggs, \$2.50 15 prepaid. Fertility guaranteed. Albert Helt, Parsons, Kan.

BARRED ROCKS, WINNERS' BRED TO lay. Thompson strain. 15, \$1.50; 100, \$5. Special pens either mating, \$5 15. Wm. C. Mueller, R. 4, Hanover, Kan.

WHITE ROCKS, BEST ALL PURPOSE fowls. Eggs from heavy laying, trap-nested stock, \$2 per 15; \$5 per 45; postpaid. Thomas Owen, R. 7, Topeka.

HICKS BARRED AND WHITE ROCKS won 50 premiums at Oklahoma and Kansas State Shows in December-January. Eggs, \$3-\$5. Write for mating list. Henry Hicks, Cambridge, Kan.

PURE BUFF ROCKS, BRED FROM CHI-cago, Milwaukee and Topeka winners. Fine Buff, good winter layers, hens weigh to 8 1/2 lbs. Eggs, 15, \$1.75; 50, \$4; 100, \$7. Mrs. C. N. Mason, Uniontown, Kan.

BUFF ROCKS BRED FROM CHICAGO Kansas City first prize winners, fine, large, even colored, heavy laying stock. Eggs per setting, \$2.50, \$10 per hundred. Catalog free. C. R. Baker, Abilene, Kan.

BUFF ROCKS—FIFTH HIGHEST PULLET to date against all breeds among 384 at Arkansas National Egg Laying Contest. Heart of America first prize winners. Eggs, \$2.50 per 15 or \$10 per 100. Dinsmore Alter, Lawrence, Kan.

Rhode Islands

CHOICE ROSE / COMB REDS, WINTER layers. Eggs, \$3 50. Chicks, 15c. Mrs. Clyde Shelinbarger, Lebo, Kan.

EGGS FROM EXTRA CHOICE VIGOROUS Reds. Eight dollars hundred prepaid. Cockerels. Mrs. Geo. Long, St. John, Kan.

EGGS FROM LARGE DARK RED ROSE Comb pure bred Rhode Island Reds. Five dollars hundred prepaid by insured parcel post. Mary Shields, Route 1, Barnes, Kan.

HARRISON'S EXHIBITION EGG STRAINS. Single and Rose Comb Reds. Breeding stock, eggs for hatching. Baby chicks. Get Red Breeders' Bulletin. Harrison Red Farms, College View, Neb.

Rhode Island—Eggs

ROSE COMB RED EGGS, \$2 15; \$9 100 prepaid. Easterly & Easterly, Winfield, Kan.

Rhode Island—Eggs

ROSE COMB RED EGGS, LARGE STOCK. Jerry West, Colony, Kan.

DARK R. C. RED EGGS, \$1 15, \$2.75 50. Mrs. Winnie Smith, Murphy, Okla.

PURE ROSE COMB RHODE ISLAND RED EGGS, 100, \$6. John Coss, Isabel, Kan.

QUALITY SINGLE COMB REDS, EGGS, \$3 for 15. J. R. Harner, Penasola, Kan.

DARK RED ROSE COMB RHODE ISLAND EGGS, \$4.50 100. Alta Weaver, Admire, Kan.

DARK SINGLE COMB RED EGGS, 15, \$1.50; 100, \$6. John Greenleaf, Mound City, Kan.

S. C. RHODE ISLAND RED HATCHING EGGS, 15, \$1; 100, \$5. Dan Loewen, Hillsboro, Kan.

LARGE BONED DARK SINGLE COMB REDS, EGGS, \$6 100. Lelah Works, Humboldt, Kan.

QUALITY S. C. REDS, GRAND MATINGS, Setting, \$1.50. Harold Stockwell, Burlington, Kan.

BRED TO LAY REDS, RANGE EGGS, \$5 95. Pen, \$1.50 15. Mrs. Nell Kimball, Carbondale, Kan.

SCOTT'S SINGLE COMB REDS, EGGS, six dollars hundred. Katharine Hylton, Osawatomie, Kan.

ROSE COMB PURE BRED, EXCELLENT type, 15-eggs, \$1 postpaid. Ada Dillingham, Sabetha, Kan.

PURE ROSE COMB RHODE ISLAND RED EGGS, \$4.50 100 postpaid. Mrs. Ed White, Waterville, Kan.

PURE BRED ROSE COMB RED EGGS from good layers, \$2.50 30; \$6 100. E. A. Bryan, Emporia, Kan.

PURE BRED ROSE COMB RED, \$1.25 15; \$6.50 100. Postpaid. Mrs. Sam Putnam, Route 4, El Dorado, Kan.

DARK ROSE COMB REDS ON FREE range, \$1.25 setting; \$6.50 100. Mrs. L. H. Conrad, Rush Center, Kan.

PURE BRED DARK ROSE COMB RED EGGS, \$6 postpaid. Free range. Mrs. Chas. Lewis, Wakefield, Kan.

LONG BROAD BACKS DARK RED ROSE COMB Rhode Island eggs, 15, \$1; 100, \$5.50. Walter Baird, Deerhead, Kan.

ROSE COMB REDS, SELECTED WINTER layers, good color. Eggs, 15, \$1.25 prepa. Joe Imthurn, Madisn, Kan.

PURE BRED ROSE COMB RHODE ISLAND Red, Bred to lay. Eggs, \$2 for 15; \$10 per 100. C. S. Holtzinger, Ellis, Kan.

WINNERS, LEIGHORNS, R. C. REDS, White Langshans, Runner ducks. Eggs, 15, \$1.50; 50, \$3.50. Thomas Ohlson, Whitlak, Kan.

LARGE DARK RED SINGLE COMB EGGS, 15, \$1.50; 100, \$7. 250 egg strains. Pedigreed males. Mrs. Frank Smith, R. 2, Lawrence, Kan.

SINGLE COMB RHODE ISLAND EGGS. Healthy, mature, deep rich reds. Hoganized. \$8 100 prepa. Cockerels. Mrs. Geo. Long, St. John, Kan.

EGGS FROM LARGE DARK ROSE COMB Rhode Island Reds, \$2 15; \$5 45 from pens. \$6 100 from range flock. Mrs. E. J. McClelland, Yuma, Colo.

PURE DARK ROSE COMB REDS, Ob-long body, good laying strain. Eggs from choice pens, \$3, \$2.50 per 15. Utility, \$1.50. G. H. Meier, Alma, Kan.

MEIER'S SINGLE COMB REDS, FIRST prize winners at Chicago and Kansas City. Extra quality eggs. \$5 per 50, \$10 per 100. H. A. Meier, Abilene, Kan.

EGGS FROM TEN MATINGS OF EXHIBITION and heavy laying Reds at moderate prices. Both combs. Ask for mating list. Brumley Red Yards, Wellington, Kan.

SINGLE COMB RHODE ISLAND RED EGGS. Extra good color. Heavy laying strain. Pen, \$2.50 15. Range, \$1.25 15; \$7 100 prepa. H. F. Enz, Fredonia, Kan.

A WELL SELECTED FLOCK OF R. C. Rhode Island Reds. New roosters or eggs every year. 14 years in business. Eggs, 15, \$1.65; 50, \$3; 100, \$5.50. J. F. Arnold, Long Island, Kan.

LARGE BONED EVEN DARK RED ROSE COMB Reds. Hens tested by state poultry judge for high egg production. Eggs, 15, \$1; 50, \$3.25; 100, \$6; postpaid. Mrs. Arthur Woodruff, Miltonvale, Kan.

SINGLE COMB REDS BRED FROM CHICAGO and Kansas City first prize winners. Large, dark, heavy laying stock. Eggs, \$2.50 per setting, \$10 per hundred. Catalog free. C. R. Baker, Abilene, Kan.

ROSE COMB RHODE ISLAND RED EGGS from range flock that has size, color and laying qualities. Setting, \$1.50; fifty, \$4; hundred, \$7. Postpaid. Fertility and safe arrival guaranteed. A. J. Turinsky, Barnes, Kan.

STANDARD BRED ROSE COMB REDS. Winners Kansas City, Topeka, Hutchinson, other shows. Large bone, dark red, extra heavy layers. Eggs, 15, \$2; 50, \$5; 100, \$9. Satisfaction guaranteed. Mrs. G. H. Lowder, Waverly, Kan.

A. F. WARREN'S STRAIN OF PURE BRED S. C. R. R. They stand out pre-eminent for their rich red color. Pen 1 headed by a first prize cockerel. Eggs, \$5 for 15. Pen 2 headed by a fine cockerel. Good red under color. Eggs, \$3 for 15. Also have a limited supply of Black Jersey Giant eggs. \$10 for 15 from my first prize stock. Cash to accompany all orders. A. F. Warren, Pretty Prairie, Kan.

Rhode Island White—Eggs

EGGS FROM HEAVY LAYING STRAIN Rhode Island Whites, \$5 100 best of stock. Mrs. Niccum, N. Topeka, Kan.

ROSE COMB RHODE ISLAND WHITE EGGS from big white, good layers. Circular free. Box 111, Inman, Kan.

ROSE COMB RHODE ISLAND WHITE EGGS, \$6 100. S. C. White Minorcas, \$7 100. Mrs. Peter A. Johnson, Halstead, Kan.

EXCELLENT ROSE COMB WHITES, Excellent layers, from prize stock. 100 eggs, \$5; 50, \$4.50; 15, \$2. E. Biddleman, Kinsley, Kan.

PURE ROSE COMB RHODE ISLAND Whites. Strong range flock. Excellent layers. Eggs, hundred, five dollars; fifteen, one dollar; postpaid. Mrs. F. E. Peek, Wellington, Kan.

WYANDOTTES

GOLDEN WYANDOTTE COCKERELS FOR sale. Also eggs. Ed. Fischer, Wheaton, Kan.

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WYANDOTTES

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COLUMBIAN WYANDOTTE EGGS, 100, \$6; 50, \$3.50; 15, \$1.50. Postpaid. P. J. Voth, Goessel, Kan.

BUFF WYANDOTTE EGGS, \$5 PER 100. Baby chicks, 14c. Jenkins Poultry Farm, R. 3, Jewell, Kan.

WHITE WYANDOTTE EGGS, RANGE stock, \$5 100. Mrs. Otho Strahl, White City, Kan.

PURE BRED WHITE WYANDOTTE EGGS, \$6 100; 15, \$1.50 prepa. Sam Durbon, Junction City, Kan.

WHITE WYANDOTTE EGGS, \$5 100 PREPAID. Closely culled. Mrs. A. L. Dutton, R. 6, Atchison, Kan.

REGAL WHITE WYANDOTTE EGGS. Guaranteed. \$7 100. Prepaid. Homer Fleury, Concordia, Kan.

CHOICE SILVER WYANDOTTE EGGS, fifteen, \$1.50; hundred, \$7. Mrs. Philip Schuppert, Arrington, Kan.

SILVER WYANDOTTE EGGS, SETTING, 75c; 100, \$4. Well marked, good layers. Bird Milner, Freeman, Mo.

WHITE WYANDOTTE, KEELER STRAIN, record layers. Eggs, \$6 100. Pen, 15, \$2. Anna Mellicher, Caldwell, Kan.

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WHITE WYANDOTTE EGGS, CAREFULLY selected from record layers. Setting, \$1.25; 100, \$6. Jas. Townsend, Ames, Kan.

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WHITE WYANDOTTE EGGS, MARTIN-Keelers direct. Prize pens, 15, \$3. Flock, 100, \$7. H. O. Collins, Fontana, Kan.

CHOICE ROSE COMB SILVER LACE Wyandotte eggs, \$6 100; \$3 60; \$1.25 setting. Mrs. Girard, Route 2, Madison, Kan.

SILVER LACED WYANDOTTE EGGS. Prize stock. Heavy layers. 15, \$1.25; 100, \$6. Mrs. P. S. Stringer, Route 3, Lincoln, Kan.

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WHITE WYANDOTTE EGGS, FROM prize winning stock. \$1.50 setting, \$5.00 hundred. Frank Mayer, R. 1, Marysville, Kansas.

WHITE WYANDOTTE EGGS AT 10 CENTS each, birds scored 92 to 95 by Judge Modlin. Good layers. Frank Henderson, Solomon, Kan.

WHITE WYANDOTTES, BARRON'S LAYING strain. Setting, \$2; 50 eggs, \$5; 100, \$9; all prepaid. Guarantee 60% hatch. H. A. Dressler, Lebo, Kan.

WHITE WYANDOTTE EGGS, WEIGHING, laying strain. Selected eggs from extra fine stock, \$5 100. Mrs. Gertrude Klingenberg, Route 3, Gridley, Kan.

EGGS BRED TO LAY. WHITE WYANDOTTES mated to Baron cockerels, 100, \$4.50. Pen Baron pullets mated to Martin cockerels, 15, \$2. Mrs. H. E. Thornburg, Formoso, Kan.

KEELER STRAIN WHITE WYANDOTTE eggs. The world's greatest exhibition egg bred strain flock. \$7 100; \$3.75 50. Two grand matings, \$3 and \$5 setting. Columbian, Buff Silver Laced, Partridge Wyandotte eggs, culled flocks, \$5 100; \$4.50 50 prepa. Mrs. G. A. Holms, Route 1, Sham-baugh, Iowa.

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SPECKLED SUSSEX EGGS, \$2 SETTING. J. J. Pauls, Hillsboro, Kan.

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MAMMOTH BRONZE TOMS, 30-45 POUNDS, \$25, \$35. Laura Ullom, Lamar, Colo.

"GOLDBANK" MAMMOTH BRONZE TOMS, \$15. Mrs. Iver Christenson, Jamestown, Kan.

PRIZE WINNING GIANT BRONZE TURKEYS. Eggs, \$1 each; 10, \$9. Beautiful Ringlet Barred Rocks, 75c setting. White Pekin ducks, \$1.25 setting. Ed Lockwood, Kinsley, Kan.

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WHITE HOLLAND EGGS, \$5 DOZEN. F. A. Enke, Green, Kan.

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PURE BOURBON RED TURKEY EGGS, \$5 dozen. Mrs. T. A. Hawkins, Garden City, Kan.

GIANT BRONZE TURKEY EGGS FROM large select stock, \$1 each. Booking orders. Trio to sell. Virra Bailey, Kinsley, Kan.

Hubam Clover in Kansas

BY S. C. SALMON

Farmers who invest in Hubam, the new annual Sweet clover, should understand that they are experimenting with a new crop which possibly will prove to be of little value for Kansas conditions. A favorite statement of those who have seed to sell is that this new clover makes a larger and more rapid growth than the common biennial Sweet clover. This claim is based on the fact that the new clover makes a taller growth, but not necessarily a larger growth. Experiments and observations at the Kansas Experiment Station indicate that the new clover will not make any larger total growth during the first season than will the common Sweet clover, the two being sown at the same time and under the same conditions.

In fact there are conditions where it seems probable that the common form will produce a larger yield because of its longer period of growth. The Hubam matures in August or early September and must be harvested or plowed under for green manure as the case may be during the summer or early fall. The common Sweet clover on the other hand grows until frost and consequently has the advantage of a longer growing season and can be harvested or plowed under for green manure at a more favorable time.

The only possible use for the annual Sweet clover in Kansas is for a hay crop or for plowing under for green manure, excepting of course the possibility of growing it for seed. It seems probable from the observations that it will not prove satisfactory as a hay crop. It makes a stemmy growth which apparently would be less satisfactory for hay than the first year's crop of the common form.

The common Sweet clover on the other hand makes an excellent hay crop the first season and can be used for pasture, green manure or as a seed crop the second season. In other words, it seems to have all of the advantages of the annual so far as Kansas conditions are concerned and has a number of advantages such as those mentioned which the annual does not have.

There is perhaps one exception to this statement. This is the fact that some farmers have a little difficulty in killing the common Sweet clover when it is plowed under in the fall of the first year's growth. That is, if the plowing is not well done some of the plants will not be killed and will grow the second season causing some little trouble if the field is put into corn or other cultivated crop the next season. This seems to be a minor objection, however, and is certainly not sufficient to justify growing the annual unless future experiments show much better results from it than have been secured up to the present time.

Co-operative Selling in America

Eight per cent of all farms in the United States in 1919 reported co-operative selling with total sales amounting to \$721,983,639, or an average of \$1,412 to every farm. More than 5 per cent of the farms reported co-operative buying. Total purchases amounted to \$84,615,669 or an average of \$257 a farm.

A summary of this investigation, made by the United States Census bureau, reads as follows:

"Co-operative purchasing was most

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ALL VARIETIES OF BETTER BRED poultry produced by specialists. For money saving prices on chicks or eggs write, stating breed desired, to Milton Smith, Secretary, Rooks County Poultry Association, Plainville, Kan.

POULTRY WANTED

PAYING 20c FOR HENS; COCKERELS, 15c per pound; 10c each for pigeons. Delivered. The Copes, Topeka.

PREMIUM PRICES PAID FOR SELECT market eggs and poultry. Get our quotations now. Premium Poultry Products Company, Topeka.

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INCUBATORS—600 FAVORITE OIL BURNERS, hot water, 220 eggs, \$13.50 f. o. b. Guaranteed. Used once and twice. 400 electric, hot water, 360 eggs. Thermostat equipped, \$20 f. o. b. Shown by Danforth and Sparks, 1813 Holmes St., Kansas City, Mo. Reference Commonwealth National Bank.

popular with farmers in Nebraska, being reported by 22 per cent of the farms. Total purchases amounted to \$9,660,107. In Kansas the total purchases amounted to about \$3,000 more than the total purchases in Nebraska, but only 19.6 per cent of the farmers reported having bought co-operatively. Other states with relative high percentages were: South Dakota, 18.4; Minnesota, 16.6; North Dakota, 16.2; Iowa, 15.2 and Wisconsin, 11.5.

"In Minnesota nearly 44 per cent of the farms reported co-operative selling to the amount of more than \$2 million dollars. Other states with high percentages were: South Dakota, 27.1; Nebraska, 26.2; Wisconsin, 22.6; North Dakota, 22.4; California, 21.9; Michigan, 21.4; Kansas, 20.4; and Iowa, 20.3. California had the greatest gross sales, a total of \$127,990,000."

How to Grow Asparagus

BY D. C. MOORING

Asparagus is a perennial plant, that is, the roots live from year to year. Therefore, especially in the warmer and drier portions of the state, a moist, rich soil and one rich in humus should be selected.

In the spring is a good time to set asparagus crowns or roots. Plow the ground deeply and pulverize thoroughly as the planting is a permanent one and deep plowing will not be practical again.

Open up a furrow 10 to 12 inches deep and apply well rotted manure in the bottom of the furrow. Mix this manure well with soil. Manure is valuable, in addition to its fertilizing value, as a humus supply, which better enables a soil to catch and retain moisture.

Obtain good strong 1-year old asparagus roots and set them in the furrow, so when the soil is well firmed about the roots the crown will be about 4 inches below the surface of the soil. Lay off rows 3½ to 4 feet apart and set the crowns 2 feet apart in the row.

The advantage of roots or crowns over planting seed is that harvest will begin a year earlier. Crowns will provide asparagus in two years, whereas a planting from seed requires three years.

Where well rotted manure is not available a liberal application of fresh manure may be applied after the crowns are set and gradually worked into the soil.

Asparagus crowns are raised by seed planted in the spring and kept cultivated thru the growing season.

Alfalfa Needs Cultivation

BY A. C. HARTENBOWER

I am firmly convinced that cultivating of alfalfa fields is not receiving the consideration that its value warrants. In all probability the decided increase in the number and the kinds of insect enemies and in the amount of foreign growths, especially of grasses, in the fields can be traced largely to the general failure to cultivate the fields.

Again, especially where alfalfa fields are used for pasturing cattle, hogs, and other livestock, the cultivation becomes of great importance from the standpoint of having moisture enter the soil instead of being lost as surface run-off. If there were any outstanding disadvantage to cultivation, there would be some excuse for not doing it, but I have been unable here on the ranch to find anything against the practice.

The time of cultivation must be governed by local conditions but, generally speaking, probably after the first cutting will be best where only one cultivation is given each season. If two cultivations are given, then in the fall and after the first cutting would seem desirable. Cultivation after the first cutting becomes especially valuable when the keeping out of foreign growths, grasses in particular, is the object.

Probably the regular alfalfa cultivator gives better results than any other tool commonly used for cultivating alfalfa. But there are many farmers who will wish to use such tools as spring tooth harrows and smoothing harrows for doing the work. In any case, I do not feel that the mistake should be made of cutting the alfalfa plant crowns to pieces by using a disk harrow. No one can obtain good results from such cultivation. Cultivate the alfalfa by using a tool having blunt points which will work around the plant crowns instead of cutting straight thru them.

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CHASE CO. valley and upland farms, \$45 a. up. E. F. McQuillen & Co., Strong City, Kan.

FINE large eastern Kansas farm; well imp. Particulars write H. Millar, Garnett, Kan.

LARGE NUMBER IMPROVED FARMS, \$50 and \$75 acre. Bargains in residence and business properties. C. F. Beard, Parsons, Kan.

FOR SALE—Two lots in suburbs of Kansas City, Kan. Nice location Arbor Park. Write owner, P. O. Box 67, Dodge City, Kansas.

SACRIFICE, 1,920 a. ranch Chase Co., Kan. 2,400 a. ranch Rio Grande Valley, near El Paso, Tex. L. M. Crawford, Topeka, Kan.

320 ACRES, Scott county, unimproved, level, all in grass, only \$20 acre. Terms. Jas. H. Little, LaCrosse, Kansas.

S. E. KANSAS FARM, \$75.00 ACRE 150 acres highly and newly improved. Culver & Clay, Humboldt, Kansas.

80 ACRES HIGHLY IMPROVED, \$65 ACRE 1/2 mile of town, 2 railroads, best bargain in E. Kan. Sewell Land Co., Garnett, Kan.

LAND producing \$100 to \$1,000 per acre, 5 to 40 acre, payments, \$50 to \$300 down. Send for booklet. The Magnolia State Land Company, Iola, Kan.

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BUY IN northeastern Kansas where corn, wheat and all tame grasses are sure. Send for farm list. Silas D. Warner, 727 1/2 Commercial St., Atchison, Kansas.

160 ACRES, 10 ml. N. E. St. Marys. 3 rm. house, hog pens, stable, etc. Lays fine, good soil. 10 a. alfalfa, 18 a. clover, 55 a. wild grass, 40 a. wheat. Possession now. \$100 per a. J. A. Bacon, Holton, Kansas.

90 ACRES, five miles town; 40 wheat; 20 bluegrass; 20 fall plowed; 5 room house; cellar; barn; other improvements. Well, windmill. Full possession. \$8,500, terms. Mansfield Land & Loan Co., Ottawa, Kan.

60 ACRES, 6 miles Ottawa, good imp., worth \$150 a. Take \$110, good terms, possession. 165 a., 3 ml. R. R. town, high school, Franklin Co., good imp., \$80 per a., extra good terms. Write Spangler Land Co., Ottawa, Kan.

320 ACRES, five miles town, good improvements. 40 acres wheat. Price \$40.00 per acre. Want highly improved farm close to town. Write for list and Kansas map. Mansfield Investment & Realty Company, Healy, Lane County, Kansas.

QUARTER ON NEW R. R.

Haskell Co., 4 miles from town on Santa Fe building out of Santa. Price \$2,900. Terms on \$1,500. All level wheat land. Write owners, Griffith & Baughman, Liberal, Kan.

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THE HOME YOU HAVE ALWAYS WANTED 320 acres rich fine land on oil road; beautiful drive to K. C., wheat, corn, alfalfa, bluegrass, clover grow to perfection, living water, 6 r. house, large barns, crib, granary, finely located, near two good towns, school across the road, possession forced sale; \$95 per acre, attractive terms. Where can you duplicate it? See this farm. Mansfield Land & Loan Company, 415 Bonfile Bldg., Kansas City, Mo.

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TAX LANDS for sale cheap; Ark. "The Wonder State." Full opportunities. Send for list. No obligation. Bush Bros., Benton, Ark.

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MUSCLE SHOALS spells opportunity for poultry farming in the South. Unlimited market at your door. A million eggs a day will be required when Ford comes. No one in the field today. Send stamp for information to C. A. Little, Sheffield, Alabama.

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240-Acre Farm: 19 Cattle 47 sheep, 50 hogs, poultry, implements, included; handy village, heavy cropping tillage; pasture, 150,000 ft. timber; cottage, barn, only \$2,900 part cash. Page 107 new bargain catalog. Strout Farm Agency, Inc. 321GP New York Life Bldg., Kansas City, Mo.

SPECIAL LOW ROUND TRIP HOME-SEEKERS' TICKETS will be in effect the first and third Tuesday of each month to Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. Send for free book describing opportunities for securing grain lands, dairying, stock raising and fruit growing. Cheap land and opportunities for all. E. C. Leedy, Dept. 57, Great Northern Railway, St. Paul, Minn.

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KANSAS FARMER and MAIL & BREEZE

Topeka, Kansas

RATES

45c a line per issue on 4 time orders
50c a line for 1 time

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below times.

Name.....

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What's New in Livestock

BY OUR FIELDMEN AND REPORTERS

KANSAS Holstein Breeders subscribed more than \$1,200 for the Heart of America Dairy Show and National Holstein Convention to be held in Kansas City June 5 to 10.

For the first time in the history of the Holstein Association of America it has brought its annual convention west of the Mississippi. This is a recognition of the rapid development and future possibilities of dairying in the Southwest. The exhibit of the United States Department of Agriculture; National Dairy Council; the agricultural colleges; and the manufacturers' displays of modern equipment should be seen by every dairyman in this section.

W. H. Mott, sales manager for the third National Holstein Sale to be held at the time of the dairy show, reported state associations selecting the very best cattle from their herds for this sale. Professor J. B. Fitch, of the Kansas State Agricultural College will select the 15 head which Kansas will be permitted to consign.

Blood Will Tell

Criticism is sometimes directed toward the breeders of registered cattle that they are exhibiting a type of cattle not desired by the producer of market beef. Possibly this may be true in a few instances; however, the demand for any particular breed of cattle would wane rapidly if it did not satisfy the requirements of the average farmer or stockman, the packer and the consumer.

The grand champion steer of the National Western Live Stock Show at Denver last winter was a purebred Hereford calf bred and exhibited by W. N. W. Blaney of Denver. This calf just a few days more than a year old weighed 930 pounds and when butchered dressed out 66.66 per cent marketable beef, confirming the judges' opinion of the steer as shown on the hoof.

When later on in the show the sire of this calf was adjudged first prize aged Hereford bull and thence grand champion Hereford bull we see that thru his heritage the calf came by his honors quite naturally.

Three Good Colorado Records

Colorado has three cows in the record for state leaders put out by Malcolm H. Gardner of the Holstein-Friesian Association in the 305 day division. Colorado has two, namely: Berea Helena Prilly Hartog, a full aged cow whose record was 14,091.1 pounds of milk and 530.42 pounds of butterfat. She belongs to Spencer Penrose. The other is Colorado Beauty Walker Johanna. She is a senior 3-year old whose record was 19642.9 pounds of milk and 577.86 pounds of butterfat. She is a senior 3-year old belonging to the American Beet Sugar Company.

In the 365 day division, Colorado's state leader is Rue Korndyke 2d with a record of 18979.8 pounds of milk and 600.83 pounds of butterfat. She is a senior 3-year old belonging to the A. V. S. B. & I. L. Co., of Holly, Colo.

Swine Breeders Organize

About 50 Duroc breeders met at Wichita, Kan., recently, and organized The Arkansas Valley Duroc Breeders' Association with E. G. Hoover, Wichita, Kan., and W. D. McComas, Wichita, Kan., as president and vice-president respectively.

The relatively large number of Duroc breeders in the Arkansas Valley of Kansas justifies an organization that can more effectively co-operate with the state and national Duroc associations as well as strengthen the Duroc business in the Arkansas Valley. Among other plans the new association has now under way is one for a big futurity show at some place in the Arkansas Valley next autumn.

Interesting Polled Shorthorn Sale

In the Polled Shorthorn sale held at the fine stock pavilion, Kansas City, Mo., recently, the prices paid were a bit disappointing as only a small crowd of farmers and breeders were in attendance. The top price of \$205 was paid by J. G. Dartey, Jerseyville, Ill., for the splendid roan bull consigned by D. B. Thieman, Higginsville, Mo. D. C.

Vannice of Richland, Kan., bought the next highest priced bull, Village Dale, for \$155. The highest price paid for a female was \$115 going to S. H. Houghton, Rantoul, Kan. Ed Stegelin of Straight Creek, Kan., bought No. 23, Lady Dorothy, for \$100. The offering was a useful lot of cattle and was distributed over a territory that will do a lot of good among the Polled Shorthorn breeders of Missouri and Kansas.

Value of Purebred Bull

The advantage of using purebred bulls is well illustrated in the herd of Dan Casement at Manhattan, Kan. Mr. Casement has used registered Hereford bulls for many years. In 1920 his grade cow herd consisted of 100 head. Of that year's calf crop, 44 were bulls which were steered and two carloads of them selected and fed as yearlings for exhibit at the 1921 international Live Stock Show.

One load was fed for the Short Fed specials, in which class quality and condition count 50 per cent, gains 25 per cent and economy of gains 25 per cent. Mr. Casement's load gained 3.27 pounds daily at the cost of \$10.79 a hundredweight, which were the cheapest gains of the show, and when the premiums were awarded they won the championship over all breeds.

Polled Shorthorn Breeders Meet

At the annual meeting of the Missouri and Kansas Polled Shorthorn Breeders' Association held at the Hotel Baltimore recently, W. A. Prewett of Asherville, Kan., was re-elected president. Edward Wenger of Versailles, Mo., was elected vice-president and R. M. Moody, of Lenexa, Kan., was chosen as secretary and treasurer. J. H. Martz of Hannibal, Mo., delivered an address to the members who were in attendance at the meeting.

Holsteins Averaged About \$800

The national sale of Holstein cattle, known as the "Brentwood Sale," which is held annually at Philadelphia, closed March 23 with an average of approximately \$800.

Altho "Brentwood" offerings are collections of strictly "top notchers" from the best and strongest herds of the East, an average at this time of \$800 an animal, on an offering of 200 head, is considered remarkable and is adding

to the general optimism of producers of Holsteins and other dairy cattle.

Dr. W. H. Mott, who will manage the national Holstein sale at Kansas City in June, and who sends this information from Philadelphia, reports a great interest in the East over the coming meeting in Kansas City. The plans for educational exhibits in Convention Hall where the meeting will be held, were heartily approved at the Philadelphia meeting and the co-operation of all breeders present assured.

Good Pig Crop Here

J. J. Smith of Lawrence, Kan., writes: "I am having exceedingly good luck this season. I had 10 sows to farrow 117 pigs this spring so far and saved 92 up to date. Of the two gilts I showed you that I was keeping, one farrowed 13 pigs and I saved 10 of this number. The other farrowed nine and is raising them. I went to Liberty, Mo., and bought four fall gilts; two of them farrowed me 32 pigs, 16 to the sow, and am raising 13 from one and 14 from the other."

Growing Demand for Light Cattle

For several years there has been a decided change in the market demands for cattle. This change has developed from the point where heavy steers were selling at a premium on our main markets to a decided preference today for light cattle.

During the last year yearling steers have as a rule outsold older and heavier cattle.

A write-up in a late issue of one of the market papers is also significant in this connection. The article was featuring the sale of some choice heavy steers which sold for \$9.25 a hundredweight. In commenting on this sale the writer said, "Had they weighed 300 pounds less they probably would have realized \$10 a hundredweight."

Hogs on Kansas Farms

Kansas had, two years ago, 165,285 farms with 307,704 head of breeding hogs, according to the United States Census report, which means that it only had 1.8 hogs to the farm. According to the report there were 823,399 pigs and 601,599 feeding hogs, which brought the average up to 10.5 head per farm of all kinds of hogs for the state of Kansas; only 65,870 head of the total were purebred animals, all breeds included.

The Kansas State Fair Board has been endeavoring to correct this situation by inducing exhibitors, of swine at the Kansas State Fair, every year, which stimulate interest in the American mortgage lifter.

According to Phil Eastman, Secretary of the Kansas Free Fair, arrangements have been made with the Poland

Critics of the Capper-Vostead Act

CRITICS of the Capper-Vostead act legalizing farm marketing co-operation have rung the changes on the "class legislation" of exempting farmers from anti-trust laws, criticism which is an example of setting the letter of the law up and disregarding its spirit. These critics forget perhaps the dictum of a judge in a famous case some years ago that in literal fact the Sherman act prohibits any two persons in the same line of business from combining, and so would forbid one grocer from buying out another, or the partnership of two men who drove drays.

In fact, farm marketing co-operation has been harassed in many places by "middlemen" bringing actions against farmers undertaking to form co-operative associations.

This opposition is not according to the spirit of the anti-trust laws, which had no thought of legitimate co-operation, but aimed at an entirely different object. The Sherman act has not been highly successful in its actual purpose, and the other day Senator Norris of Nebraska remarked of a number of suggestions outlined by Secretary Hoover to "big business" of the things that it can do in concert, that if these things are permitted the Sherman act might as well be repealed, as its usefulness will have passed. Yet this law which permits so much co-operation in business, in partnership, corporation and associations, threatened farm marketing co-operation in the United States at its inception.

Literally again, it may be true that exemption permits farm co-operation to control the price of farm products, yet actually no such result is anticipated. From Secretary Hoover and Bernard Baruch down authorities agree that control of the prices of these staples of the farm is impracticable, and the aim of farm co-operation is acknowledged to be in fact the inauguration of a better farm marketing system, permission to the producers to do their own marketing of their products as other industries do, rather than to produce and then be obliged to turn the marketing over to persons in no wise interested in the product or the production. Nevertheless the Capper-Vostead act, which is now a law, retains in the Government authority to regulate co-operation and to prevent any such attempt in the restraint of trade by co-operative associations.

These associations therefore, instead of being privileged, are under a Government scrutiny and supervision which do not attach to business in general and when applied to boards of trade by the present Congress caused those organizations to complain bitterly of discrimination against their freedom of operation thru the enforcement of such legislation.

HORSES AND JACK STOCK

JACK STOCK

At low prices, yet full of the blood, and showing the size and quality of the

World's Grand Champion

Kansas Chief 9194, for years our chief sire in service. Before Kansas Chief we used Pharoah, champion of Tennessee and Kansas State Fairs. Our herd is built that way.

Come and see us for anything you need in jack stock, Percheron horses or Russian wolf hounds. We are breeders, not traders. We are always right here.

H. T. Hineman & Sons, Dighton, Kansas

35 Head of Registered Jacks

as good as grows, by Grand Champions at Southern State shows, 2 to 7 yrs. old, 15 to 16 hands high, 9 to 10 inch bone used in our stables last season, can show colts. Few Belgian and Percheron Stallions. This stock must be sold in next 60 days. We have what we advertise. Can ship over Santa Fe, Mo. Pac. and Frisco.

J. P. MALONE, LYONS, KANSAS

M. H. MALONE, CHASE, KANSAS

Ten Percheron Stallions

All registered. Priced from \$200 to \$500. Some broke to harness. Blacks and greys. No better breeding or individuals. Included in this offering are the 3d and 4th prize winners in the aged stallion class at the last Kansas National, Wichita, Kan. Briggs or Emmett Creek Sta. on the A. V. I. R. between Wichita, Hutchinson and Newton, Kan.

A. H. Taylor & Son, Sedgwick, Kansas

35 Mammoth Jacks

Big heavy bone, black jacks, 15 and 16 1/2 hands, weight up to 1200 pounds, 3 to 5 years old. Guaranteed. We have colts to show you. High class Percheron mares and fillies and young stallions.

Al E. Smith, Lawrence, Kan.

6 Percheron, Ton Breeding Stallions

7 reg. Jacks (own raising). Colts and mules to show, very choice stock with size and weight, desirable ages, dark colors.

GEO. SCHWAB, CLAY CENTER, NEB.

Jacks and Jennets For Sale

Closing out my high quality registered animals. Price on individuals low or I will make a very low price on the whole bunch.

ELWIN W. DALES, EUREKA, KANSAS

Registered Percheron Stallions and Mares

for sale, blacks and greys. Colts to show. \$200 and up. A good jack, black with mealy points. Bert Sponser, Emporia, Kan.

MAMMOTH JACK AND REG. PERCHERON HORSE For sale. A. Schwerdfeger, Paradise, Kan.

For Sale Two Large Jacks 5 and 6 Years Old 1 two jennets, four and six years old; one Percheron stud 13 years old. Priced right. Mark Shaeley, Whiting, Kan.

FINE LARGE BLACK STANDARD BREED and two fine large black saddle bred stallions, \$400 each, cash only. H. G. Shore, with August Clothing Co., Topeka, Kansas.

A GOOD BLACK PERCHERON STALLION coming three years old. Traces to brilliant blood. Perkins & Munro, Oswego, Kansas.

HAMPSHIRE HOGS



Walter Shaw's Hampshires

200 HEAD: REGISTERED, immunized, tried bred sows and gilts, serviceable boars. WICHITA, KANSAS, RT. 8, Telephone 3918, Derby, Kan.

WHITEWAY HAMPSHIRE ON APPROVAL Choice fall boars and gilts. Big hardy fellows sired by the champion. Immunized pairs and sires not related. F. B. WEMPE, FRANKFORT, KANSAS.

SUMMIT HOME

Choice fall gilts and boars ready for service, prize winning strain. Immunized and shipped on approval. S. W. Shineman, Frankfort, Kan.

CHESTER WHITE HOGS

Chester White Bred Gilts and young boars. Verg Curtis, Larned, Kan.

BRED SOWS AND FALL BOARS

Bred sows for April and May farrow by Alfalfa Model, bred to Wiemers' Choice, grandson of junior champion, Nebraska State Fair 1918. Fall boars by Alfalfa Model and Chief Justice 2nd, August and September farrow. Immunized. Will ship on approval. Alpha Wiemers, Diller, Nebraska

FALL BOARS, WEIGHT 200 POUNDS Sired by prize winners, \$35 and up. Shipped on approval. Henry Wiemers, Diller, Neb.

LIVESTOCK AUCTIONEERS AND SALE MANAGERS.

BOYD NEWCOM, Auctioneer 217 Beacon Bldg., Wichita, Kan.

Jas. T. McCulloch, Clay Center, Kan. My reputation is built upon the service you receive. Write, phone or wire.

Vernon Noble, Auctioneer Manhattan, Kan. Livestock and Real Estate.

HOMER BOLES, RANDOLPH, KANSAS Purebred stock sales, land sales and big farm sales. Write or phone as above.

AYRSHIRE CATTLE

2 Ayrshire Bul's Purebred, 4 Mos. Old A. G. BAHNMAIER, R. R. 1, TOPEKA, KAN.

J. J. Hartman's Poland Sale

At Farm 14 Miles South of

Abilene, Kan., Wednesday, April 12



Twenty boars and twenty gilts. Sired by Elmo Valley Giant and Elmo Valley Yankee. The dams of the offering are of the best big type breeding and are by such boars as Blue Valley Timm, Big Fred, Blue Valley Big Bone, The Yankee and Elmo Valley Giant. The boars and gilts that will go in this sale are of the type and quality that makes them good enough to go to the best herds. This will be about the last opportunity this spring to buy Poles at public auction. Write at once for catalog.

J. J. Hartman, Elmo, Kansas

J. W. Johnson, Fieldman.

BERKSHIRE HOGS

Private Sale Purebred Berkshire Swine
Bred gilts, 6 yearling boars, 40 weaned pigs. Also Holstein-Friesian young cows, second calves by side, and springers to calf soon.
UNIVERSITY BERKSHIRE FARM,
John D. Wynn, Owner, R. 4, Lawrence, Kan.

SPOTTED POLAND CHINA HOGS

Spotted Poland Chinas
Stock of all ages. The best blood lines.
A. S. Alexander, Burlington, Kansas.

Registered Spotted Poland Boars

Sept. farrow. Ready for service, immunized. Also yearling head boars. Papers furnished for National Ass'n.
CARL F. SMITH, CLEBURNE, KANSAS

Spotted Polands, Both Sexes
Hutype and English. C. W. Wolschbaum, Altamont, Kan.

Spotted Poland China Pigs, Either Sex
Best bloodlines. Hubert Sherman, Geneva, Kan.

Classy Sept. Boars \$20.00
Immunized, guaranteed. John Greenleaf, Mount Olive, Kan.

SPOTTED POLAND BOARS
of all ages and prices. Nicely marked bred gilts and head sows. Registered free. Wm. Wages, Burlington, Kan.

SPOTTED POLAND CHINAS
15 gilts bred for April farrow, the best of blood lines. Jas. A. Thompson, Holt, Mo.

DUBOC JERSEY HOGS

Royal Herd Farm Durocs

Victory Sensation 3rd gilts bred to Sensation Boy for April farrow. Cracking fall boars and gilts by this same champion sire. Write or better still come and see these Durocs.
B. E. ANDERSON, McPHERSON, KANSAS

Shepherd Calls a Halt

No bred sows and gilts for sale at this time. Offering fall boars by Shepherd's Orion Sensation and Pathfinder Jr. Good ones. Write us.
G. M. SHEPHERD, LYONS, KANSAS

Valley Spring Durocs

Sensations, Pathfinder, Orions. Boars all ages. Sows and gilts bred to outstanding boars. Immunized, pedigree furnished, guaranteed breeders. Year's time if desired.
E. J. Bliss, Bloomington, Kan., Osborne Co.

Duroc Bred Sows and Gilts
Bred sows and gilts shipped on approval. Immunized and absolutely as described. A few spring boars. Write for descriptions and prices.
D. C. ASHER, LAWRENCE, KAN.

Duroc Boars \$20.00 to \$25.00
150 to 200 lbs. Well bred good bone and length. Order from this advertisement direct and I will ship you a good pig. **J. E. WELLER, HOLTON, KAN.**

Durocs \$20 to \$30
Boars ready for service. Fall pigs, either sex, not related, by Hurdler Pathfinder and Valley Wonder Sensation. **E. C. MUNSSELL, RUSSELL, KANSAS.**

Stadt's O. K. Strain of Durocs
Fall boars by Wonder's Giant I Am. Our motto, "Size with Quality." **J. F. Stadt & Sons, Ottawa, Kan.**

Fall Boars and Gilts by Jack's Great Orion
Booking orders for spring pigs by Orion the Great. Sid Replegle, Cottonwood Falls, Kan.

WEANLING DUROCS FOR SALE
By Major Sensation Col. Grand Master and other good sires. At prices any farmer can afford to pay.
Overtake Bros., Atlanta, Kansas

TRIED SOWS, FALL YEARLINGS, SPRING GILTS, bred to Orion's Model, a real breeding boar, for April and May farrow. Satisfaction guaranteed. **S. D. Shaw, Williamsburg, Kan.**

SEPT. BOARS BY GREAT PATHFINDER, 1920 Kansas grand champion, and Long Pathfinder by Pathfinder Chief 2nd. Out of good dams. Priced reasonably. **E. G. Hoover, Wichita, Kan.**

EARLY FALL BOARS, IMMUNED Orion, Pathfinder, Col. breeding. Priced right. **L. A. Poe, Hunnewell, Kansas.**

HEREFORD CATTLE

Western Kansas Bulls

100 Hereford bulls, yearlings and two years old.
50 Shorthorn bulls, same ages. Part of them at Fort Collins, Colo., and the rest at the home ranch Hays, Kan. Write at once for descriptions and prices.
C. G. COCHRAN & SONS, HAYS, KAN.

POLLED HEREFORD CATTLE

POLLED HEREFORDS FOR SALE

Bulls 3 to 30 months old, also head bull Plata 17th 676746-12286. Cows bred or calf at foot 4 to 6 years old, fine bred heifers; all of these cattle are good in flesh, heavy boned, well marked, real low priced. Also black and white spotted Shetland mace pony.
J. E. GOESTEN, R. 3, HILLSBORO, KAN.

20 Reg. Polled Hereford Bulls
and 20 one and two-year-old heifers for sale. If you need a herd bull don't fail to see this herd.
R. H. LANGHORNE, HERINGTON, KAN.

ANGUS CATTLE

GROWTHY ANGUS BULLS

one and two years old for sale. Sired by Farmer City Best 187778. These belong to the Pride and Trojan Erica families. Priced in accordance with present business conditions.
Write your wants and see the cattle.
W. L. MADDOX, HAZERTON, KANSAS

ANGUS BULLS

18 from 12 to 18 months old. 12 that are from six to 10 months old. Real herd headers.
J. D. MARTIN & SONS, Lawrence, Kan.

JERSEY CATTLE

HILLCROFT FARMS JERSEYS

Imported and Register of Merit Jerseys. Choice bull calves for sale. Also registered Durocs.
M. L. GOLLADAY, PROP., HOLDEN, MO.

High Class Registered Jersey Cows

Exceptional values, young cows 2 to 8 yrs. Some have large register of merit records. Others on test now. Many state fair winners. Also some good young bulls 3 to 18 mos. old. Inspection invited.
R. A. GILLILAND, DENISON, KANSAS

YEARLING JERSEY BULL

For Sale: Just one, exceptionally fine, sired by R. A. Gilliland's Herd Bull out of Register of Merit dam whose blood we bought of John Deere in 1880.
SIDNEY S. LINSCOTT, HOLTON, KANSAS

Scantlin Jersey Farm, Sevenburg, Mo.
Financial Kings, Raleigh and Noble of Oakland breeding.

SYLVIA JERSEY RANCH, SYLVIA, KAN.
Herd Farm accredited. Heifers and young cows. Also bull calves from Reg. of Merit dams.

FEDERAL ACCREDITED JERSEY BULLS
Serviceable age. R. M. dams, prize winning sires. **A. H. Knoepfel, Colony, Kansas.**

POLAND CHINA HOGS

Big Type Immuned Polands
Serviceable males, \$25; bred gilts, \$30; and Sept. pigs, \$15. **GEO. J. SCHOENHOFER, Walnut, Kan.**

GOOD, GROWTHY POLAND CHINA BOARS
by Valley Jumbo of fall farrowing, from big litters. Price \$20 and \$25, satisfaction guaranteed. **E. M. Wayde, Burlington, Kansas.**

China Breed Promotion Committee of Peoria, Ill., for a \$1,000 futurity show. The prizes in the Poland China open classes at the Kansas Free Fair in 1921 amounted to \$618, the prizes in the Pig Club classes amounted to \$100. Such purses in addition to the money guaranteed by the Poland China Breed Promotion Committee will make a Poland China purse for 1922 of \$1,718, which will insure a large exhibit.

Better Sires For 51 Counties

Fifty-one counties have entered the Kansas Better Bulls Contest in which county farm bureaus and breeders' associations are competing for the greatest percentage replacement of scrub bulls by registered bulls. Two thousand dollars in prizes is the amount offered to the winners in the contest by the Kansas City Chamber of Commerce of Kansas City, Mo. The contest is under the joint direction of the Kansas City Chamber of Commerce and the Kansas State Agricultural College.

The counties entered to date are Allen, Anderson, Atchison, Barton, Bourbon, Butler, Chase, Cherokee, Chayenne, Clay, Comanche, Cowley, Decatur, Doniphan, Douglas, Ellis, Finney, Ford, Franklin, Gray, Greenwood, Harper, Harvey, Hodgeman, Jackson, Jefferson, Johnson, Kingman, Leavenworth, Lincoln, McPherson, Marshall, Meade, Miami, Montgomery, Morris, Nemaha, Ness, Osage, Osborne, Pawnee, Rawlins, Reno, Rice, Roofs, Sedgewick, Shawnee, Sumner, Washington, Wilson and Wyandotte.

Opportunity for Safe Investment

Readers of Kansas Farmer and Mail and Breeze who have surplus funds to invest can learn of a particularly attractive, high-grade security by writing me at once. I regard this as an exceptional opportunity for Kansas Farmer and Mail and Breeze readers. Amounts of \$100 or more are solicited; rate of interest, 7 per cent, payable semi-annually, with the privilege of withdrawal at any time upon 30 days' notice. I can unqualifiedly recommend this investment, which is backed by unbroken record of 28 years' success in one of the strongest business concerns in the West, offering a security that is as safe as Government bond. I will be glad to give further information. **Arthur Capper, Topeka, Kan.—Advertisement.**

Public Sales of Livestock

Shorthorn Cattle

Apr. 4—Blank Bros., Koon and Lager, Franklin, Neb.
Apr. 6—A. C. Shallenbarger, Alma, Neb., and Thomas Andrews, Cambridge, Neb. Sale at Cambridge, Neb.
Apr. 20—Northeast Kansas Shorthorn Breeders' Ass'n. Sale at Hiawatha, Kan. D. L. Dawdy, sale manager, Arrington, Kan.
Apr. 21—W. H. Graner, Lancaster, Kan.
May 5—Park E. Salter, Wichita, Kansas.
May 8—Ruben Harshberger, Humboldt, Neb.
May 10—Northwest Kansas Shorthorn breeders' association at Concordia, Kan. E. A. Cory sale manager, Concordia, Kan.
May 16—T. A. Ballantyne, Herington, Kan.
May 18—Atchison county breeders at the K. G. Gistad farm, Lancaster, Kan. Harry Gistad, Lancaster, and A. W. Sholz, Huron, Kan., sale mgrs.

Holstein Cattle

Apr. 15—Dr. L. E. Shay, Dispersion, Atchison, Kan.
May 6—Southeast Kansas-Northeast Oklahoma Hereford Breeders' association, Independence, Kan. W. H. Morton, Sale Mgr., Altoona, Kan.
June 8-9-10—National Holstein-Friesian Ass'n. sale, Convention Hall, Kansas City, Mo. W. H. Mott, Sale Mgr., Herington, Kan.

Hereford Cattle

April 25—Northern Kansas Hereford Breeders' association, Blue Rapids, Kan. J. A. Howell, Marietta, Kan., sale manager.
May 4—Johnson County Hereford Breeders' Association. R. L. Whitsett, Holden, Mo., Sec'y.
May 8—Consignment sale, livestock judging pavilion, Agricultural college, Manhattan, Kan. B. M. Anderson, sale manager, Manhattan, Kan.

Polled Shorthorn Cattle

May 2—J. C. Banbury & Sons, Pratt, Kan. Poland China Hogs.

April 12—J. J. Hartman, Elmo, Kan.

Apr. 26—Fred Laptad, Lawrence, Kan.

Spotted Poland China Hogs

Apr. 11—Henry Field Seed Co., Shenandoah, Iowa.

Duroc Jersey Hogs

Apr. 22—H. T. Rule, Ottawa, Kan.
Apr. 26—Fred Laptad, Lawrence, Kan.
Aug. 25—W. T. McBride, Parker, Kan.
Oct. 21—Homer T. Rule, Ottawa, Kan.
Oct. 28—H. W. Flook & Son, Stanley, Kan.

Sale Reports and Other News

Missouri Angus Sale

In the Angus sale of the Missouri and Kansas breeders held at St. Joe, Mo., March 22, the prices paid reflected an improved demand for this particular breed of cattle. Thirty cows and heifers averaged \$153. Ten bulls averaged \$127.50. The top price paid for females was \$170 for Pride of Ash Row, the 1921 Missouri grand champion senior heifer, consigned by Grover C. Maritz at

Triplet, Mo., and went to the well known herd of John C. Mills, Jr., Kirksville, Mo. The top price paid for bulls was \$215, a full brother of Pride of Ash Row, and went to head the good herd of J. E. Polser, Albany, Mo. While no sensational prices were recorded or records broken, the averages were very fair and low enough to permit of very liberal investment by farmers and breeders present. The sale will be recorded as one of the successful sales of the association and the total returns were very satisfactory. Col. A. W. Cles of Chillicothe, assisted by Col. A. T. Robertson of Albany, Mo., did the selling and they did a mighty clever job. The sale was managed by Hal T. Hooker of Maryville, Mo. His services were satisfactory to all the consignees and he was retained for sale manager the coming year.

Field Notes

BY J. W. JOHNSON

Fred Rothman's Shorthorns

Fred Rothman of Scranton, Kan., is offering a number of good Shorthorn bulls for sale. These bulls are well bred, Red whites and roans and are ready for service. Look up his advertisement and write him for description and breeding.—Advertisement.

Hereford Sale at Manhattan

There will be a consignment sale of Hereford cattle in the livestock judging pavilion at the Agricultural college, Manhattan, Kan., Monday, May 8. There will be 50 lots and the consignments are drafts from good Kansas herds. The sale will be advertised in the Mail and Breeze shortly. You can see for the catalog right now. Address, B. E. Anderson, Manhattan, Kan., sale manager.—Advertisement.

W. H. Graner's Shorthorn Sale

W. H. Graner, Atchison, Kan., will sell registered Shorthorn calves at his farm near Lancaster, Kan., April 21. This is his regular annual sale. It is the day following the Northeast Kansas Shorthorn sale at Hiawatha, Kan., and you better plan on attending both sales. Both sales will be advertised in the Mail and Breeze soon. You can ask him for the catalog right now.—Advertisement.

J. J. Hartman's Poland China Sale

J. J. Hartman, Elmo, Kan., sells 50 Poland China boars and gilts of last fall farrow in a big sale Wednesday, April 12. These boars and gilts are out of the same sows and sired by the same boars as those that sold in the last fall and winter sales that Mr. Hartman made. The breeding is good and they are well grown and splendid individuals. You better be there if you want a boar or a few gilts of excellent breeding to grow out and breed for good sires. This sale will be advertised in the Mail and Breeze soon. Write for the catalog today.—Advertisement.

Northwest Kansas Shorthorn Sale

E. A. Cory, Concordia, Kan., sale manager for the Northwest Kansas Shorthorn Breeders' association, says he has pledged for the Concordia sale, May 10, some of the best cattle ever consigned to an association sale. However he can use a few more and wants to hear from those who want to consign by April 16 sure. He will be compelled to close the entries and commence building the catalog after that date. The annual blow out is being arranged for and the banquet that the Concordia business men always give visiting Shorthorn men will be held the night before the sale. The annual meeting will be held the morning of the sale.—Advertisement.

Atchison County Shorthorn Sale

Atchison county Shorthorn breeders are selling in a community sale at the K. G. Gistad farm, two miles north of Lancaster, Kan., Atchison county, May 18. About 50 cattle will be sold and it is the first sale ever made by the Shorthorn breeders in the vicinity of Lancaster, a territory noted for the good Shorthorn herds near Lancaster. It is the plan to hold these sales each spring and as this is the first sale you can rest assured there is going to be some mighty good cattle in it. The catalog will be out soon. The sale will be advertised in the Mail and Breeze soon but you can write today for the catalog to either Harry Gistad, Lancaster, Kan., or August Scholz, Huron, Kan.—Advertisement.

North Kansas Hereford Sale

Fourteen prominent members of the North Kansas Hereford Breeders' association are consigning selections from their herds to the spring calf sale which will be held in the sale pavilion at Blue Rapids, April 25. In this big select calf sale 54 head will be sold. It is departure from the regular plan.

The Livestock Service of the Capper Farm Press

Is founded on the Kansas Farmer and Mail and Breeze, the Nebraska Farm Journal, the Missouri Ruralist and the Oklahoma Farmer, each of which leads in prestige and circulation among the farmers, breeders and ranchmen of its particular territory, and is the most effective and economical medium for advertising in the region it covers. Orders for starting or stopping advertisements with any certain issue of this paper should reach this office eight days before the date of that issue. Advertisers, prospective advertisers or parties wishing to buy breeding animals, can obtain any required information about such livestock or about advertising, or get in touch with the manager of any desired territory by writing the director of livestock service, as per address at the bottom.

Following are the territory and office managers:
W. J. Cody, Topeka, Kansas. Office.
John W. Johnson, Northern Kansas.
J. T. Hunter, Southern Kansas.
Stuart T. Morse, Oklahoma.
Jesse R. Johnson, Southern Nebraska.
R. A. McCartney, Northern Nebraska.
O. Wayne Devine and Chas. L. Carter, Missouri.
T. W. Morse, Director of Livestock Service
Kansas Farmer and Mail and Breeze
Topeka, Kansas

1, 1922.

association which in the past has been made of both mature and young cattle. But the consignors have decided to sell at a high price for this sale in a way that is sure to bring in plenty of time for the members and is sure to go to the place to buy what you want from the choicest offerings of registered calves from well-known herds. For the catalog today.—Advertisement.

T. A. Ballantyne's Shorthorn Sale

A Ballantyne's Shorthorn dispersion at the Ballantyne farm near Herington, Mo., should attract the attention of every Shorthorn breeder in the west. Some head are being cataloged, which are pure bred Shorthorn on the farm. Some too early to write for the catalog. You better attend to it now while you can. You will get your copy if you write soon as they are off the press.—Advertisement.

Northeast Kansas Shorthorn Sale

A next Shorthorn sale on the program of Northeast Kansas Shorthorn Breeders' Association will be held in the station at Hiawatha, Kan., Thursday, April 12. D. L. Dawdy, Arrington, Kan., is the sale manager and has gotten together for this sale a splendid offering of pure bred Shorthorn. There are 12 bulls in this sale, head bulls sold because their owner can no longer and 10 yearling bulls. Some of this number you can pick some of the best that are mighty hard to find. The females are all selections from the herds of northeast Kansas. The sale is an annual affair and is always consigned by the best breeders in that territory. You will receive the catalog as soon as it is off the press if you send your name to D. L. Dawdy, Arrington, Kan., at once.—Advertisement.

J. J. Hartman's Poland China Sale

J. J. Hartman, Elmo, Kan., Dickinson County, is one of the best known breeders of Poland Chinas in central Kansas. On April 12 he is selling at his farm 14 south of Abilene, near Elmo, Kan., on the Missouri Pacific between Elmo and Gypsum. 20 boars and 20 gilts of fall farrow. Big choice boars and gilts the very best of breeding and weighing each sale day and some of them more. They are by the big Elmo Valley herd boars, by Valley Giant and Elmo Valley Yankee. The dams are big prolific sows by such as Blue Valley, Timm (Chas. R. Walcott's great boar), Blue Valley, Big Bone, Yankee Elmo Valley Giant, and other sires. These 40 boars and gilts are enough to go in any herd and are not good individuals but have the breeding. They are immunized for life and you taking no chances in buying your boar. Five gilts in this sale. Come to Abilene stop at the National hotel and they will show you to get to the Hartman farm. You will be brought back free in the morning after the sale.—Advertisement.

Dr. L. E. Shay's Holstein Sale

Dr. L. E. Shay's recent decision to rent his farm near Atchison and disperse his herd of purebred Holsteins should be of real interest to every Holstein breeder in the state and to every beginner who is in the market for real foundation cattle. About 10 years ago Dr. Shay founded this herd in real selections from the good herds of the country. At the head of this herd is King Aggie Pontiac Oak, a wonderful individual and a sire of great value. He is by Aggie Pontiac Graham, a bull who was a noted show bull with a string of A. R. O. daughters. His son, Harry February Oak De Kol, as a yearling has a record of 549 pounds of milk and 27 pounds of butter in seven days. Sold in the Minnesota guarantee sale for \$2,500. He is a splendid individual, well bred, weight about a ton right now and guaranteed breeder with a record for 95 percent heifer calves. He is going to sell at a price of what he brings as is every bull in the sale and the sale made as it is on short notice is sure to be full of real gains. The cattle will be sold in just a few days. The herd is in the best of breeding condition. The herd is just what you need in a big item when you buy foundation cattle especially, but important all the time. I visited the herd a few days ago and with all of Doctor Shay's friends who know of his ambition to build one of the real herds in the West with a splendid foundation, I am sorry to see it dispersed. Write him today for the catalog and don't fail to be there.—Advertisement.

BY J. T. HUNTER

Shepherd Calls a Halt

G. M. Shepherd, Lyons, Kan., says that he has sold all the bred females that he has to sell at this time and asks that attention be made of that fact so that parties buying bred sows and gilts will not be deceived in getting them by losing time in waiting for him. He does have for sale some top fall boars by Shepherd's Orion Sensation by Great Sensation and Pathfinder by Pathfinder. G. M. Shepherd has one of the very best Duroc herds in Kansas and one desiring a good boar will do well by

investigating what Mr. Shepherd has for sale. When writing please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Banbury Polled Shorthorn Sale

J. C. Banbury & Sons, Pratt, Kan., will sell 45 to 50 Polled Shorthorns at auction at their farm near Pratt, Kan., Tuesday, May 2. Watch for Kansas Farmer and Mail and Breeze issues of April 15 and 22 for display advertisements. Meanwhile write now for catalog. Please mention Kansas Farmer and Mail and Breeze when writing.—Advertisement.

Knoepfel's Federal Accredited Jerseys

A. H. Knoepfel, Colony, Kan., has an accredited Jersey herd with a son of Chief Raleigh, first in class at 1920 National Jersey Show and son of Red Flag of Fairland at the head of the herd. Serviceable aged bulls for sale. Good ones priced to sell. Ad starts in this issue. Please mention Kansas Farmer and Mail and Breeze when writing.—Advertisement.

Replegle's Fall and Weanling Durocs

Sid Replegle, Cottonwood Falls, Kan., maintains a fair sized Duroc herd, the dams and sires of which are all good individuals from good families. Mr. Replegle starts a card this issue offering fall gilts and boars by Jack's Great Orion by Jack's Orion King 2nd, 1917 world's junior champion, and offers to book orders for spring pigs by Orion the Great by Great Orion, 1918 world's grand champion. The dams of fall and spring pigs are by General Sensation by Great Orion Sensation, 1919-21 world's grand champion, Great Wonder that founded the Sensation family, Pathfinder and Great Orion. These are as well bred as will be found in Kansas. Priced to sell. Write at once. Mention Kansas Farmer and Mail and Breeze.—Advertisement.

Royal Herd Farm Durocs

B. R. Anderson, McPherson, Kan., has at the head of his Duroc herd Victory Sensation 3rd by Great Orion Sensation, 1919-21 world's grand champion. This Anderson herd sire is not only worthy of consideration because he is by a world's champion boar but is himself a champion sire at state shows and has been proved by the fact that Victory Sensation 3rd gilts and boars have topped such big sales as the Harvey County and Kansas National sales last fall and winter. A boar by Victory Sensation 3rd out of a Royal Herd Farm sow should be a good herd sire. Here is your opportunity to buy a gilt bred to him or a gilt or boar sired by him. Mr. Anderson offers to sell the prize litter at the recent Kansas National. He won two firsts on that litter. This litter is by Victory Sensation 3rd out of Big Girl Lady. Write today to B. R. Anderson, McPherson, Kan. Please mention Kansas Farmer and Mail and Breeze.—Advertisement.

Ed Hoover's Duroc Boars

Few Kansas men, if any, within the past year have bought as many real good Durocs as has E. G. Hoover, Wichita, Kan. Mr. Hoover's business is orcharding but within the past year he has been assembling a herd of Durocs by buying tops at auction sales and at private treaty from the best Kansas herds. He is now completing a big hog house. The inside measurements are 80 by 24 feet. It has twenty 8 by 9 foot stalls with movable panels. The whole building is well lighted and solidly constructed. It is a model building well worth investigation of parties planning to build hog houses. At the head of Mr. Hoover's herd is Great Pathrion, 1920 Kansas grand champion, in which he holds a half interest. Another sire is Orchard Scissors, one of the best young sons of that boar to be found in Kansas. Mr. Hoover starts a card in this issue of the Kansas Farmer and Mail and Breeze advertising September boars by Great Pathrion and Long Pathfinder by Pathfinder Chief 2nd. Prospective buyers will find the Hoover herd a good one and will like the appearance of the boars for sale. When writing Mr. Hoover please mention Kansas Farmer and Mail and Breeze.—Advertisement.

BY JESSE R. JOHNSON

May Shorthorn Sale

Ruben Harshberger of Humboldt, Neb., announces a dispersion Shorthorn sale to be held May 3. The Harshberger herd is one of the strongest herds in Nebraska. The best bulls obtainable have been in service for many years and Mr. Harshberger has for the past few years been a heavy buyer of females at the leading sales of his own and adjoining states. In the offering will be cows that have been purchased as high as two thousand dollars. Advertising for this sale will appear in future issues of this paper. But readers may file application any time for catalog by writing Mr. Harshberger and mentioning this paper.—Advertisement.

Shorthorn Sale at Franklin

The big annual sale event at Franklin, Neb., is the Blank Bros. & Klen Shorthorn sale. Once each year the members of this family who have herds select their best animals that are for sale and hold a joint sale. The date this year is Tuesday, April 4. Good judges who have seen this season's offering say it is the best the boys have ever gotten together for any sale and they have been selling mighty good bunches for several years past. The offering is sired to or bred to the great herd bulls, Ashbourne Reliance, Golden King, Bridgroom and good sons of Golden King. A few of the good sires Village Knight. This will be a good sale for the beginner or the older breeder wanting to add some good things to his herd.—Advertisement.

Last Call Shallenberger-Andrews Sale

Farmers and breeders who appreciate quality and the best breeding will let nothing stand in the way of their attending the Shallenberger-Andrews Shorthorn sale to be held at Cambridge, Neb., Thursday, April 6. Thos. Andrews and A. C. Shallenberger, two of the best breeders of the West, are holding this sale. The reputation of these two good herds is a sufficient guarantee of the quality of the offering. A great line of females are selling in this sale, many of them with calves at foot and bred again to the great bulls, Matchless Marshal, first prize bull at Nebraska State Fair and Denver Stock Show; Gainford Marshal, Choice Lad and other great bulls. The sale is largely composed of heifers bred and open. Of these ten are daughters of Gainford Marshal. The catalog gives all information, write at once for it and attend the sale.—Advertisement.

Dr. L. E. Shay, Atchison, Kan., Dispersing His Federal Accredited Herd of Purebred

Holstein - Friesians

Atchison, Kan., Saturday, April 15

Dr. Shay has rented his farm and is dispersing his entire herd because he must give all of his time to his other business.

24 pure bred, six excellent high grade cows in milk. 15 cows in milk and nine that will freshen this spring or early summer. Here is your herd bull opportunity. King Aggie Pontiac Oak, a wonderful individual and a sire that has attracted attention all over the state. A string of seven splendid daughters of this great sire from a few weeks old to yearlings.

The Dr. L. E. Shay herd was founded a few years ago with selections from the best herds in the country. The decision to close it out at auction was arrived at only a few days ago and you are buying choice cattle at auction in their everyday clothes. There is sure to be bargains here. For the catalog address,

Dr. L. E. Shay, Atchison, Kansas

Auctioneers: Jas. T. McCulloch, Clay Center, Kan., and others.
J. W. Johnson, Fieldman, Mail and Breeze.

HOLSTEIN CATTLE

SHUNGAVALLEY HOLSTEINS

Your last chance for a Konigen bull. Only two left any age. These bulls have not been offered before. Dam just finished a 305 da. record with 680 lbs. butter and 14,000 lbs. milk as a Sr. 2 yr. old. State record for class. Bull a very fine individual just past 10 mos. of age. The other calf is a coker, 5 mos. of age with good records. Write for particulars.

IRA ROMIG & SONS, TOPEKA, KAN.

BULLS

We have two ready for service. Out of high producing A. R. O. dams. Low price. WALTER A. SMITH, R. 1, TOPEKA, KAN.

Turkey Creek Farm Holsteins

For Sale—Columbine Pontiac Ormsby Changeling, Born July 18, 1921. Evenly marked. Sire, Sir Pieterie Ormsby Fobes. Dam, a daughter of a 44 lb. bull. Price, \$100. TURKEY CREEK FARM, Chas. C. Wilson, Manager, COLORADO SPRINGS, COLO.

Purebred Holstein Bulls

Yearling grandsons of King Segis Pontiac, nicely marked, smooth, large framed, and from heavy milking cows, also some 6 to 8 months old. Government inspected and priced to sell quickly. VALLEY VIEW STOCK FARM, J. A. Reed, Lyons, Kan., Route 2.

HOLSTEIN BULL A Royally bred grandson of Pontiac Korndyke. Two nearest dams average 34 lbs. butter. Will sell cheap or trade for cow or bred heifer. Winwood Dairy Farm, Burlington, Kansas.

FOR SALE

2 bulls by 40 lb. sires from 28 and 30 lb. 3 yr. old dams, mostly white \$150.00 and \$250.00. LOUIS C. ROHLFING, LAWRENCE, KAN.

HOLSTEIN & GUERNSEY CALVES, 7 weeks old, 31-32nds pure, \$25 ea. shipped C.O.D. Reg. Holstein bull calves \$45. Edgewood Farms, Whitewater, Wis.

POLLED SHORTHORNS.

200 POLLED SHORTHORNS



SALE MAY 2, 1922
Watch for display advertisement in later issues. Write for catalog now.
J. C. BANBURY & SONS, PRATT, KANSAS

Polled Shorthorn Bulls

We have for sale bulls 10 to 12 months old sired by the great show bull, Meadow Sultan. Shipping stations, Phillipsburg or Stockton.
T. S. SHAW, GLADE, KANSAS.

Polled Shorthorn Herd Bull

Sunny Cup by Sunny Sultan. Also 11 months old bull sired by him for sale.
E. J. RICHARDS, BELLEVILLE, KANSAS

One Polled Shorthorn Bull For Sale

10 mo. old. Some Duroc gilts bred, also some weanling pigs. Pedigrees furnished. Robt. Dowlin, Barnard, Kan.

POLLED SHORTHORNS

Both bulls and females for sale at prices according to times. C. M. HOWARD & SONS, HAMMOND, KAN.

White Bulls

3 good registered yearlings. Reasonable. S. H. Haight, Rantoul, Kan.

GLENROSE LAD 506412
the best dairy Shorthorn bull in the west. We can't use him longer. For description and price address R. M. Anderson, Beloit, Kansas.

SHORTHORN CATTLE.

Shorthorn Feeders

Win Championship at Denver Show, January, 1922
Are you interested in better milking cows, and steers that make larger gains? Write
American Shorthorn Breeders' Association
13 Dexter Park Avenue,
Chicago, Ill.

Five Roan Shorthorn Bulls

Real herd bull material. Ages from 12 to 18 months. Priced to sell. Address
E. A. CORY & SONS, TALMO, KANSAS
(Republic county)

A Scotch Shorthorn Bull

For Sale, calved March 21, 1920, sired by Silver Dale 3rd, ha by Master of the Dales by Avondale. His dam was Sycamore Emma 14th of the Emma family. A real herd bull. Copy of pedigree furnished on request.
ROBERT TURNER, ANTHONY, KANSAS

A Real Herd Bull Prospect

Roan, sired by Gloster Cumberland 399387 by Cumberland's Best by Cumberland's Last, dam by Dale's Challenger by Double Dale. Other good ones too. Four 2-year-old heifers of milking strains. Priced right.
L. E. Wooderson, Route 6, Caldwell, Kansas

Shorthorn Herd Bull at a Bargain

Am offering my herd bull, Idlewild Rex, an international winner of great scale and smoothness. Will sell or exchange for females. Also young bulls from 6 to 18 months old. Write or visit.
EDW. F. GEHLEY, ORLEANS, NEBRASKA

Shorthorn Bulls

Reds, whites and roans. Scotch and Scotch topped. Write your needs and come and see us.
C. W. TAYLOR, ABILENE, KANSAS
Dickinson County

Red, Shorthorn Scotch Bull

For sale, 15 months old, an extra fine animal. Will sell at a bargain. T. J. BLAKE, WHITING, KAN.

FOR SALE—REG. SHORTHORN BULLS.

12 months old, good, rugged, heavy boned fellows, ready for spring service, red, white and roan.
Fred Hothan, Scranton, Kansas

RED POLLED CATTLE

10 RED POLLED BULLS

Priced \$75 to \$100. First check gets choice. Guaranteed breeders. Will price few cows and heifers reasonable. R. C. Brownlee, Holden, Mo.

Four Red Poll Bulls

serviceable age and nine females, priced to close out. The tops of 55 head, best of breeding, with size and quality.
T. G. MCKINLEY, ALTA VISTA, KANSAS

Choice Red Polled Bulls and Females

All ages. From our accredited herd. Shipped on approval. Schwab & Son, Clay Center, Neb.

Pleasant View Stock Farm

Registered Red Polled cattle. For sale, a few choice young bulls, cows and heifers.
Halloran & Gambrell, Ottawa, Kansas

FOSTER'S RED POLLED CATTLE

A few choice young bulls.
C. E. Foster, Route 4, Eldorado, Kan.

RED POLLS. Choice young bulls and heifers.

Write for prices and descriptions.
Chas. Morrison & Son, Phillipsburg, Kan.

GUERNSEY CATTLE

Two Reg. Guernsey Heifer Calves

for sale. One bull calf 2 mos. old, one bull seven mos. old, two extra good high grade cows to freshen soon. Write Dr. E. G. L. Harbour, Box 113, Lawrence, Kan.

A REGISTERED GUERNSEY BULL

bred by Fruit Brothers, Wisconsin, four years old and proved a good breeder.
G. D. Glidden & Sons, Homewood, Kansas

GUERNSEYS—CHOICE BULLS

For sale. Herd under federal supervision.
George M. Newlin, Hutchinson, Kansas.

OFFERING SOLD ON RECORD TIME

"We are very glad that we did not lay advertising space for a longer period, as the few bred sows and gilts were taken in record time and we were forced to return a good many checks as we were unable to fill but a few of the many orders. We will be better equipped in our new home and expect to be able to furnish our trade with the best lot of Tipton bred Hampshires that we have yet offered. When we wish to advertise again we will send our copy to Kansas Farmer and Mail and Breeze, as it reaches a class of progressive buyers."—A. N. Tyler & Son, Reading, Kan., Breeders of Hampshire Hogs, Feb. 6, 1922.

Meats Show Big Declines

Amounts in Storage Much Less Than Last Year

BY WALTER M. EVANS

RECENT Government reports show big declines in the available supplies of meats in storage. There was a drop of 54 per cent in beef and 36 per cent in pork last year. All beef in storage on March 1, 1922 amounted to 62,931,000 pounds or 72,083,000 pounds less than on March 1, 1921, when the total was 135,014,000 pounds. There were on hand March 1, 1922, about 606,549,000 pounds of pork as against 954,848,000 pounds on March 1, 1921. These decreases are alarming and show the need of a concentrated effort of this country to increase livestock production.

Better prices must be paid to feeders that will insure them good margins of profits all thru the year and better and longer credits must be given livestock men and feeders by the banks and financial institutions of the country. Only thru such means can livestock production be encouraged and increased.

Producers Meet April 4-5

Much interest is shown among Kansas stockmen in the coming joint market meeting of Kansas and Missouri producers that is to be held at Kansas City, April 4 and 5, under the joint supervision of the extension departments of the Missouri and Kansas State Agricultural Colleges. Many important problems of shipping and marketing of livestock will be studied and discussed at this meeting. Many Kansas farmers and livestock men are planning to be present. The discussions of the National Livestock Producers' Association relative to unfair practices of some of the packers that were given on March 29 at Kansas City may also be brought up at this meeting. Farmers everywhere are going to demand in the future that a square deal be given them.

Kansas City Markets

Livestock markets at Kansas City this week developed irregular price movements and closed the week with moderate net declines in practically all kinds. Early in the week fat cattle were 35 to 50 cents above the low point last week, but the gain was lost later. The hog market displayed some strength but was unable to develop any gain. Tops remained around \$10. The sheep market displayed some strength but lost the gains when others declined.

Receipts this week were 30,713 cattle, 4,040 calves, 30,849 hogs, and 36,975 sheep, compared with 34,625 cattle, 4,050 calves, 42,125 hogs and 26,550 sheep last week, and 26,250 cattle, 3,300 calves, 23,750 hogs, and 32,400 sheep a year ago.

Beef Cattle Open Strong

Trade in fat cattle opened active at strong prices, advanced 15 to 25 cents Tuesday. Since then the gains were lost and in some cases medium classed closed the week with a net decline. Early in the week there was a large demand on export account, and for the Atlantic seaboard city trade. Prime strong weight steers sold at \$8.75 to \$9, the last named price being the highest of the year. Prime yearlings sold up to \$8.50, and most of the choice steers sold at \$8 to \$8.50. Pulp fed steers sold up to \$8 and fed Texas steers up to \$8.25. Cows and heifers held steady. Veal calves were weak.

Demand for fleshy feeders lacked the volume of preceding weeks and prices were lower. Thin steers both stockers and feeders were steady. A large number sold on grazing account.

Hogs Show Moderate Advances

The hog market showed a moderate advance Monday and Tuesday, but later lost the gain. At the close of the market the top price was \$9.85, and bulk of sales, \$9.60 to \$9.85. The top price this week was \$10.15. The combined receipts at the principal Western markets this week were the smallest of the season but the limited shipping demand at more Eastern points caused the general weakness in the market. Pigs sold mostly at \$8.50 to \$9.50.

Prices for horses and mules were unchanged. Receipts were about the same as in preceding weeks and were cared for readily.

The following quotations on horses

are given at Kansas City this week: Draft horses, weighing 1,500 to 1,700 pounds, \$100 to \$160 apiece; fair to good drafters, \$60 to \$100; medium chunks, \$50 to \$85; plugs, \$10 to \$25; common Southerners, \$20 to \$45.

The following prices are quoted at Kansas City on mules: Good work mules, 4 to 7 years old 13½ to 14 hands high, \$25 to \$85; 14 to 15 hands high, \$50 to \$125; 15 to 16 hands high, \$85 to \$140; extra big mules, \$125 to \$175.

Sheep and Lambs

Lambs were up 25 cents Wednesday with top \$15.25. Since then the gain was lost and closing quotations were the same as a week ago. Sheep held firm, top ewes, \$9.60. Clipped lambs sold at \$12 to \$12.75.

The following quotations are given at Kansas City on dairy products: Butter—Creamery, extra, in cartons, 43c a pound; packing butter, 16c; butterfat, 33c; Longhorn cheese, 25¼c; Brick, 18c; New York White Daisies, 26c; New York Cheddars, 25c; Limburger, 26¼c; Swiss, 36¼c.

The following prices are quoted on poultry and poultry products: Live Poultry—Hens, 21c; spring chickens,

35c; roosters, 12c; capons, 24 to 28c; turkeys, 34c; geese, 13c; ducks, 25c. Eggs—Firsts, 21c a dozen; seconds, 17c; selected case lots, 26c.

The following quotations are given at Kansas City on green salted hides: No. 1 Green hides, 7c; No. 2, 6c; side brands, 4c; dry flint, 8 to 10c; green glue, 2c; horse hides, \$2.25 to \$2.75.

The following prices are quoted on Kansas, Oklahoma and Nebraska wool at Kansas City this week:

Bright medium wool, 20 to 22c; dark medium, 16 to 18c; light fine, 18 to 20c; heavy fine, 12 to 15c; light fine Colorado wool, 20 to 22c; Colorado Mohair 15 to 20c.

Lumpy Jaw of Cattle

BY C. H. McELROY

Lumpy jaw of cattle is caused by a fungus living and growing within the tissues of the bones of the jaw, beneath the skin of the jaw, in the tongue, about the throat or occasionally in the lungs. In this part of the country the majority of cases occur as lumps beneath the skin of the lower jaw and not attached to the jaw bone. Fortunately the disease in this location responds better to treatment than the other forms. The lumps, which are firm swellings, vary from the size of a nut to the size of an egg. They enlarge, push their way outward and finally break thru the skin in one or more places, discharging a creamy pus. Unlike an ordinary abscess, this lumpy

jaw growth does not tend to disappear but rather increases and the discharge continues.

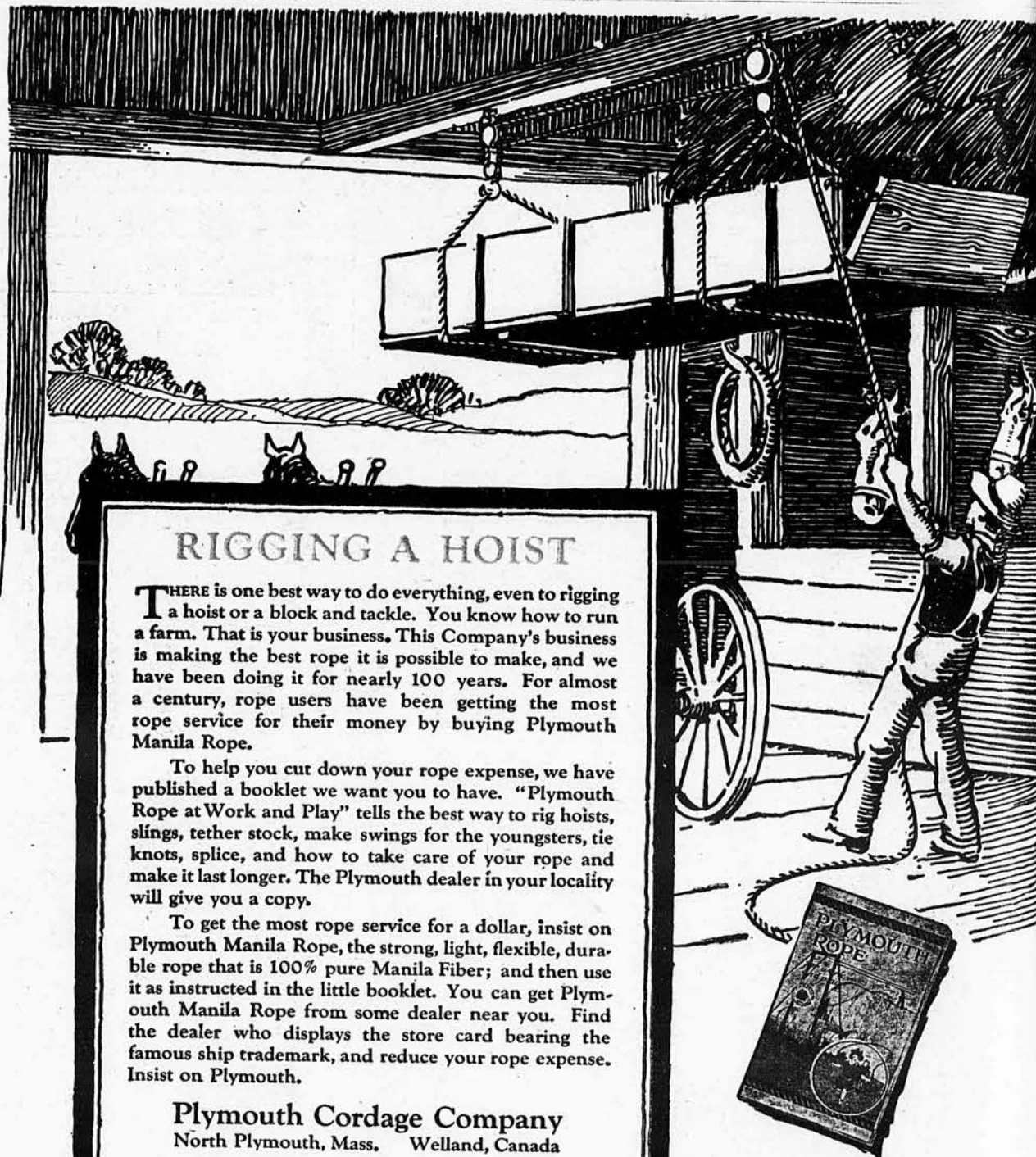
At least 75 per cent of such cases can be cured if properly treated. The best method of treatment is to have the lump removed surgically. This should be undertaken only by a graduate veterinarian because of the danger of losing important blood vessels and nerves.

Some years ago it was discovered that iodide of potash given internally would in most cases cure lumpy jaw. This drug should be given in doses of 1½ drams (1 dram is equivalent to a teaspoonful) dissolved in 1 pint of water and given as a drench once a day.

If, in a week or 10 days, the animal's skin becomes rough, eyes and nose and loss of appetite occurs, the medicine should not be given for about 10 days, but afterward resumed in the same size dose. The cure takes three to six weeks' treatment, but there is no sign of improvement after four or five weeks, treatment should be abandoned.

When iodide of potash is given to milk cows, it may cut down the milk flow considerably. Also a large part of the drug leaves the body thru the milk making it unfit for use.

While this treatment is being given the lumpy jaw mass should be kept clean with an antiseptic and washed out or painted over with tincture of iodine.



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